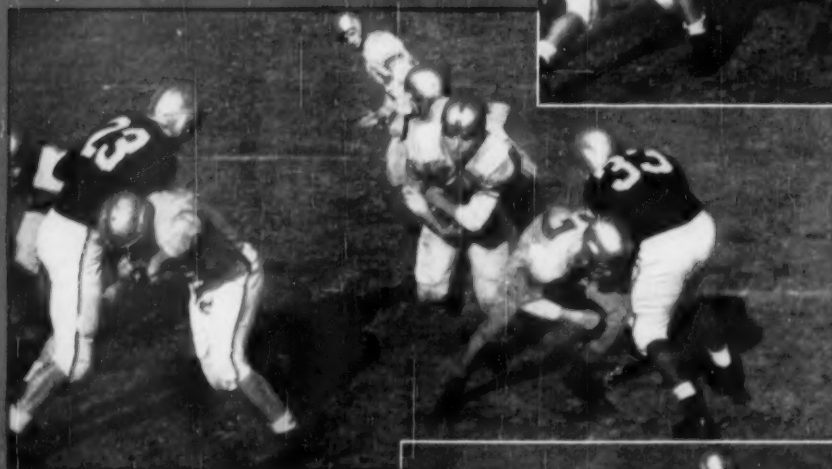


SCHOLASTIC COACH

MAY 1956 • 25c



IN THIS ISSUE

Racehorse Football (p. 7)

Short Punt "T" (pp. 8-11)

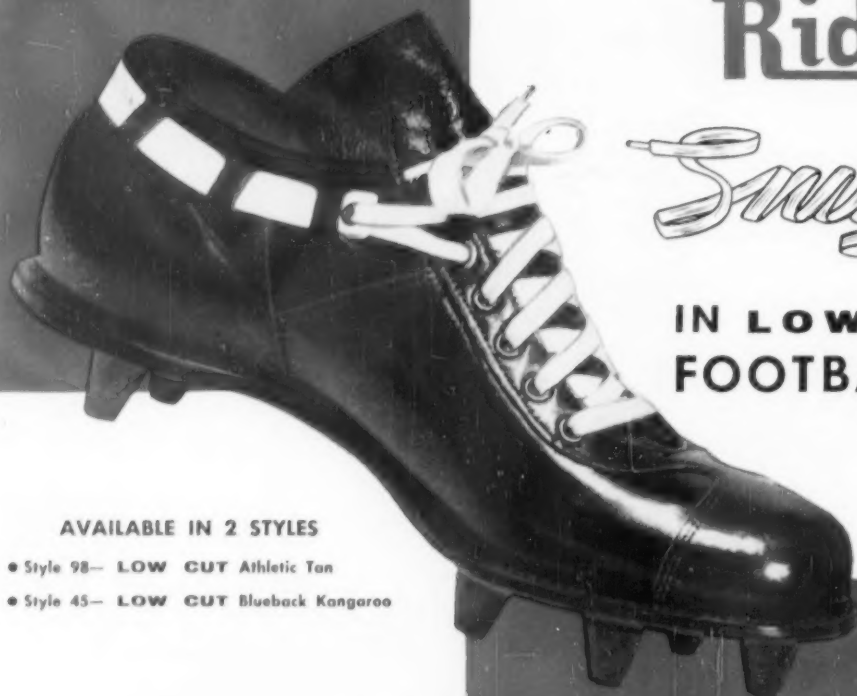
Pass Defense (p. 24)

NOW . . . the Exclusive NEW

Riddell®

Snug Tie
PATENT PENDING

IN LOW CUT
FOOTBALL SHOES



AVAILABLE IN 2 STYLES

- Style 98— LOW CUT Athletic Tan
- Style 45— LOW CUT Blueback Kangaroo

An Added Feature for Greater Snug-Fitting Comfort!



A proved, stand out success since first introduced in famous RIDDELL Track Shoes . . . the Snug Tie feature has now been adapted to our oxford model Football Shoes. These fine game shoes, particularly styled with extra speed for backs and ends . . . NOW offer additional heel hugging security for greater confidence in action. Simple . . . practical and truly effective, the Snug Tie, positively prevents shoes from slipping off foot. It is a valuable extra available only in quality RIDDELL shoes.

SEE YOUR RIDDELL DEALER



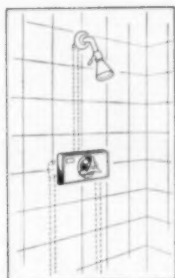
Makers of the Famous
Safety Suspension Helmets
—IN KRA-LITE or TENITE.
Standard and Deluxe Models.
AND Tubular Face Guards.

JOHN T. **Riddell** INC.

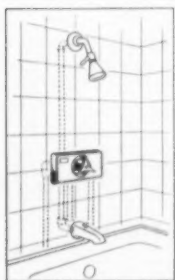
1259 NORTH WOOD ST., CHICAGO 22, ILL.

Specialists in Finer Athletic
Equipment for Head and Foot!

More POWERS to You for BETTER Showers



HYDROGUARD has a built-in shut-off valve therefore none is required between it and the shower head.



They Depend on You for SAFE Comfortable Showers



You can **POWERS**
depend on
New Hydroguard®

—the finest **thermostatic** shower control made for schools, hospitals, hotels, homes and clubs

Hydroguard Styling Simplifies Shower Installation



Don't Skimp on Safety in Showers
Get POWERS
SAFE SHOWER SYSTEMS data.
Call your nearest Powers office.

HYDROGUARD
Is Nationally Advertised

(c63s)



More Convenient—there's only ONE dial to turn. Note uncluttered simplicity of installations above. Powers Triple duty Strainer-Check-Stops concealed behind the HYDROGUARD cover, simplify piping and tile work. Walls are unmarred by protruding knobs or 2 to 4 valve handles. There's no confusion.

You Can Really Enjoy Worry-Free Bathing in perfect comfort in a

HYDROGUARD shower. Temperature stays where you set it regardless of pressure or temperature changes in water supply.

Thermostatic SAFETY-LIMIT Protects Children from Scalding. It prevents flow of water to shower or tub above 110°F. If cold water supply fails HYDROGUARD instantly shuts off the shower.

Phone or Write our nearest office for Bulletin 366 and Prices

THE POWERS REGULATOR COMPANY

SKOKIE, ILLINOIS

Offices in chief cities in U.S.A., Canada and Mexico

65 Years of Leadership in Water Temperature Control

Sportcraft

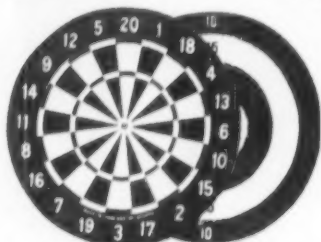
Summer Sports



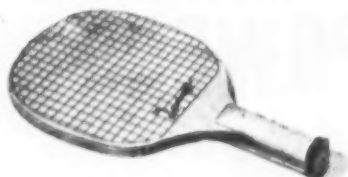
BADMINTON



CROQUET



DARTS-DARTBOARDS



DECK-PADDLE-TABLE TENNIS



GOLF ACCESSORIES



SHUFFLEBOARD

See Your Dealer

Ask him to show you the new 64-page Sportcraft 1956 Catalog.

Sportcraft
SPORTS GAMES
215 FOURTH AVE. NEW YORK 3, N.Y.

SCHOLASTIC COACH

Reg. U. S. Pat. Off.

VOLUME 25 • NUMBER 9 • MAY

IN THIS ISSUE

HERE BELOW (Baseball and Brotherhood by Mickey McConnell)	5
RACEHORSE FOOTBALL by Al Davis	7
A SHORT PUNT RUN LIKE A T by Lou Howard	8
OVERSHIFTED BACKFIELD "T" by John M. Austin	13
FREE LITERATURE AND CATALOGUES	14
COMBINATION PASSING DRILLS by Roger Baer	16
A COORDINATED PASS DEFENSE (PART 2) by Carnie Smith	24
NEW EQUIPMENT	34
REDUCING KNEE INJURIES BY PROPER ANKLE STRAPPING by Joseph Doller	40
COACHES' CORNER	48
1956 ALL-AMERICAN H. S. BASKETBALL SQUAD	50
NEW BOOKS ON THE SPORTSHELF	54
PICK YOUR COACH AND COACHING SCHOOL	58
COACHING SCHOOL DIRECTORY	59

Publisher • G. HERBERT McCracken

Editor • HERMAN L. MASIN

Advertising Manager • OWEN REED

Art Director • MARY JANE DUNTON

SCHOLASTIC COACH IS ISSUED MONTHLY TEN TIMES DURING THE ACADEMIC YEAR (SEPTEMBER THROUGH JUNE) BY SCHOLASTIC MAGAZINES, INC., M. R. ROBINSON, PRESIDENT, PUBLISHERS OF SCHOLASTIC MAGAZINES FOR HIGH SCHOOL STUDENTS.

ADDRESS ALL EDITORIAL AND ADVERTISING COMMUNICATIONS AND ALL CORRESPONDENCE CONCERNING SUBSCRIPTIONS AND CIRCULATION TO SCHOLASTIC COACH, 33 WEST 42 ST., NEW YORK 36, N. Y.

SUBSCRIPTIONS FOR THE UNITED STATES, \$2 A YEAR, CANADA, \$2.25, FOREIGN, \$2.50. BACK ISSUES: CURRENT VOLUME, 25¢; PREVIOUS VOLUMES, 50¢.

THE ENTIRE CONTENTS OF SCHOLASTIC COACH COPYRIGHT, 1956, BY SCHOLASTIC MAGAZINES, INC. ACCEPTED AS CONTROLLED CIRCULATION PUBLICATION AT NEW YORK, N. Y.

SCHOLASTIC COACH IS A MEMBER OF THE BUSINESS PUBLICATIONS AUDIT, A BUREAU FOR EXAMINING AND AUDITING CIRCULATION FIGURES FOR THE PROTECTION OF ADVERTISERS. BPA STATEMENTS OF SCHOLASTIC COACH CIRCULATION SUPPLIED ON REQUEST THROUGH THIS SERVICE, SCHOLASTIC COACH ADVERTISERS RECEIVE INCONTROVERTIBLE EVIDENCE OF THE CIRCULATION THEY ARE PAYING FOR.

BPA

In Rubber-Covered
Balls These Are
THE VERY BEST



Rawlings

**BASKETBALLS
FOOTBALLS
VOLLEY BALLS
SOCCER BALLS**



Herculite balls are more than an improvement over ordinary rubber-covered balls . . . they present an entirely new concept in design, with new features, new strength, and new feel.

To make these HERCULITE balls, it takes a softer, more flexible, tougher rubber compound than ever before used . . . you'll find deeper, sharper pebbling for better grip and surer handling . . . there's also a wider and stronger molded channel to eliminate seam-splitting . . .

a new, and improved valve . . . and they feature "Super-Bond" construction, an almost inseparable carcass, cover and bladder combination with exceptional playing qualities. And with all this, Formula-15 for positive grip!

Here are great new rubber-covered balls with exclusive features that insure Rawlings quality and superiority in this field . . . rubber-covered balls so vastly superior that they stand alone as the very best . . .

"The Finest In The Field!"

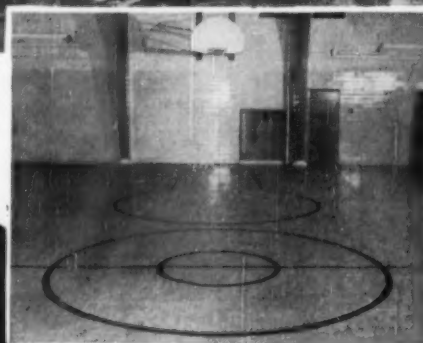
RAWLINGS SPORTING GOODS CO. • ST. LOUIS, CHICAGO, DALLAS & LOS ANGELES

a new treatment for ASPHALT TILE

Keeps Multi-Purpose Gym Floors
"SLIP-SAFE"
Protects Against Grease and Dirt Build-Up



Gymnasium at Platte Valley Elementary School, St. Joseph R.F.D., Mo., doubles as lunchroom during the noon hour.



Beautiful, fast-play gymnasium floor in Oakwood Junior High School, Kalamazoo, Mich.

Climaxing years of research in Hillyard laboratories, this new "test tube" finish is formulated for asphalt tile, yet safe for all floors

Will not soften, fade, darken or discolor any resilient flooring material.

Gives complete surface protection

Forms a hard, smooth, unbroken surface that repels dirt and grease, keeping them from grinding in. Protects floor against food fats, that otherwise would create an unsightly, slippery condition. No water spotting.

Makes maintenance easy

The hard, smooth surface makes sweeping

fast and simple. Although non-slip, it is *not* tacky, will not catch and build up dirt.

Provides extra economy

The finish *stays*. After repeated washings, the rich velvety lustre buffs back easily. Eliminates frequent stripping and refinishing.

The perfect solution for special problems of multi-purpose rooms . . . *one* product which fulfills your requirements for safety, appearance and economy on *every* floor of your building.

The Hillyard Maintaineer® will be glad to explain or demonstrate the most effective and economical methods for conditioning your asphalt tile gym floor. The services of this trained floor expert are available to you without charge or obligation. The Maintaineer is "On Your Staff, Not Your Payroll!"



Branches and Warehouse Stocks in Principal Cities

ST. JOSEPH,
MISSOURI
Passaic, N. J.
San Jose, Calif.

HILLYARD, St. Joseph, Mo.

Please give me complete details on a treatment program for asphalt tile gym floors.

Name

Institution

Address

City State



Baseball and Brotherhood

HOW do we achieve the brotherhood of man under the fatherhood of God? This problem has always challenged the thinking of our great statesmen and religious leaders. Down through the ages, they've been trying to inculcate some measure of the respect, cooperation, and friendship among men which make for "brotherhood."

Perhaps more has been accomplished in the last decade than at any time since the Emancipation Proclamation. And it has been accomplished on the playing field, thanks to the pioneering of Branch Rickey.

When I arrived on the professional baseball scene in the late 30's, I was astounded to hear a prominent scout say that he wouldn't sign a promising player because the boy was a "Polack."

I refused to accept this purblindness. The scout could tell me about a player's ability to run, bat, field, or throw, and I would respect his judgment. But he couldn't make me believe that a man's national origin, creed, or color could affect his ability to play baseball. I pointed out that Al Simmons, one of the outstanding outfielders of all time, was of Polish descent, and his reply was typical of the bigot: "Oh, he's the exception to the rule."

Today, I'm happy to state that this standard of measurement isn't applied to baseball talent. In fact, only a few years ago the St. Louis Cardinals, headed by Stan Musial,

were good-naturedly referred to as "the Polish brigade."

Unquestionably, Branch Rickey's breaking of the color line through Jackie Robinson was the blow that broke the shackles of discrimination. It took years of patient planning and waiting for the right man, the right time, and the right place.

You may know the story. Mr. Rickey was baseball coach at the University of Michigan and his shortstop was a Negro. When the team traveled to South Bend for a game with Notre Dame, the shortstop was refused admittance at the hotel because of his color. Only the persuasive powers of Rickey got the boy into the hotel, and only with the understanding that he would sleep on a cot in Mr. Rickey's room and that he would eat his meals in the room and remain in the room except when going and coming from the hotel with the team.

While Mr. Rickey was unpacking his suitcase after the ordeal with the hotel manager, he glanced up at the player and noticed that the boy was sitting on his bed, holding his head in his hands and sobbing. Mr. Rickey walked across the room, put a hand under the boy's chin, lifted it and said:

"Keep your chin up, boy. No one should judge you because of the color of your skin. You're as fine a man as there is on this team and you can help me beat this thing if you'll continue to live the kind of life you're living now. You can set an example for others to follow and together we'll work for understanding among all races."

Forty years passed before Branch Rickey brought Jackie Robinson into professional baseball. But the day he signed Jackie, Mr. Rickey wired his old Michigan shortstop that it

had taken a long time but they had achieved their mission.

Of course, this was only a beginning. But the transition has been remarkable. It wasn't easy. Every sports fan will recall the locked ball parks the first year Robinson trained with the Dodgers in Florida, the petitions by a few players, and the booing in some professional parks. Two years later, delegations from some of the same places were requesting the Dodgers to play in their communities and assuring Mr. Rickey that Robinson would be welcome.

The movement spread to other professional team sports such as football and basketball, and also reached the college field when northern squads, which included colored players, were permitted to play these boys in southern states.

While the prejudice against Poles, Italians, and other minority groups wasn't widespread 20 years ago, there was a general feeling that many ethnic and racial groups weren't good competitors. This feeling was particularly directed against the Latin Americans, despite the fact that a few like Adolph Luque and Mike Gonzales had made the major leagues.

Today, players of the calibre of Chico Carresquel from Venezuela, Bobby Avila of Mexico, Minnie Minoso of Cuba, and Carlos Bernier and Ruben Gomez of Puerto Rico are leading a steady stream of their Pan-American brethren to stardom on the baseball diamonds of this country.

One glance at the Negro stars is enough to make us realize why Dr. Ralph Bunche feels that Branch Rickey's move in bringing Robinson into professional baseball is the greatest step forward in race relations since Mr. Lincoln's signing of the Emancipation. Roy Campanella,

(Continued on page 39)

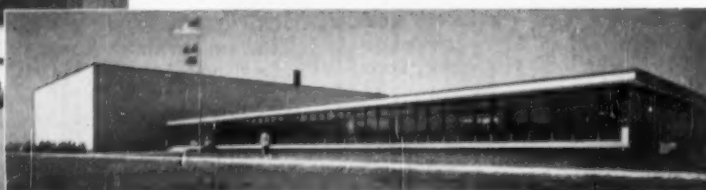
Former scouting director for the Brooklyn Dodgers, Mickey McConnell is now a trouble shooter for Little League Baseball. One of the most decent gentlemen in sports, he's doing a tremendous job in the vital field of human relations. His sound, progressive, sociological approach to athletics is beautifully exemplified in both his active programs and his public speeches—a typical sample of which is "Baseball and Brotherhood."

By MICKEY MCCONNELL
Administrator, Little League Baseball

Norman, Oklahoma, High School and
City Auditorium. Caudill, Rowlett,
Scott & Associates, Bryan, Texas,
and Perkins & Will, Chicago,
Associated Architects-Engineers.
Photos by Hedrich-Blessing Studio.



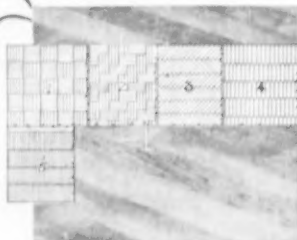
floored for
**maximum
usefulness!**



NORTHERN HARD MAPLE

The "foot-friendly" floors of the gymnasium and the band room in this emphatically modern high school provide maximum utility, versatility and service-life expectancy. *That*, you'll agree, is a good deal to obtain in one "package." Floors of Northern Hard Maple, guaranteed as to species, grade, dimension and mill-work by rigid **MFMA** standards, have delivered such value for generations. No other flooring or floor covering can approach this magnificent wood in its natural resistance to scars, dents and abrasion. Its bright, tight, tough, resilient character needs only simplest maintenance. Modern finishing methods give lasting luster to its beautiful grain. Floor your multi-purpose areas with **MFMA**-certified flooring. It has earned your confidence. SEE SWEET'S 13j-MA. Write for List of **MFMA**-approved Finishing Products.

Available in blocks and modern patterned designs as well as the more conventional strip form. Readily laid in mastic, over concrete or softwood sub-flooring.



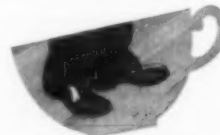
for BASKETBALL



for DANCING



for
CLASS ACTIVITY



for GATHERINGS

MAPLE FLOORING MANUFACTURERS ASSOCIATION

Suite 566, Pure Oil Building, 35 East Wacker Drive, Chicago 1, Illinois

RACEHORSE FOOTBALL!

THE 1955 Citadel football team found the following inscription on the cover of their offensive play books:

This playbook is specifically designed for you. Within its covers are the essential factors of the greatest offense in football—The Citadel T Formation. We call it "Racehorse Football" because it represents the fastest way of playing the game yet devised. It places a high premium on faith, discipline, and *speed! speed! speed!* Every detail of this offense is important—efficiency in forming the huddle, getting the play called, sprinting to the line of scrimmage, getting the play off in the minimum amount of time, and—at the whistle terminating the play—sprinting back to the huddle to continue the relentless pressure. This is done at all times, even after scoring a touchdown and kicking the extra point. It's a continuous process of *go! go! go!*

Little did the boys realize that they were destined to be the pioneers of a new way of playing the game. Note the accent on the word "way." For Racehorse Football isn't a technical addition to the game—a new formation. Nor is it merely a

synonym for words such as hustle, desire, physical effort, speeded-up huddle, and the like. It's actually a revolutionary new way of playing the game, predicated upon different values and prerequisites.

As you may surmise from the play book inscription, Racehorse Football is a continuous, machine-like method of operating from the huddle to the line of scrimmage to the snap count with as much *swiftness as the rules will allow.*

It generates a powerhouse of relentless pressure in a *go! go! go!* style that's utterly demoralizing to the opponents. Did you see the way

By AL DAVIS

Line Coach, The Citadel (Charleston)

A Revolutionary Go! Go! Go! Offense

That Relentlessly Pressures the Defense

Oklahoma blitzed Maryland in the Orange Bowl? That gives you the idea.

What effect has this pressure game on the defense? Tremendous! No longer can the defense bewitch, bother, and bewilder the attack with myriad last-instant changes. The rapid and relentless Racehorse attack *forces the defense to show immediately.*

The defense has little time to regroup and talk things over. They must be constantly on the alert, and their cries of "Get ready! Get ready! Here they come!", keep ringing in our ears. The mounting pressure makes them so ready-conscious that they soon begin losing cohesion and

(Continued on page 42)





A Short Punt Run Like a T

By LOU HOWARD, Coach, Amityville (N. Y.) High School

THOUGH the short punt is considered one of football's forgotten formations, Amityville has been getting the maximum mileage out of it for the past three years. In that time, we've won 19 out of 22 games—either sharing or winning our conference crown each season!

However, the short "vehicle" we've been "riding" isn't that old-fashioned job that went out of style two decades ago. We've made quite a few improvements in the "engine," revving it up to meet present-day needs. What we have, in effect, is a short punt that runs like a T!

Diag. 1 shows our regular formation, with the ends split 1 yard, the tackles split 12 to 18 inches, and the guards split 6 to 12 inches. Our quarterback, or No. 1 back, sets up a couple of feet back of the right leg of the left guard, where he can receive the direct pass and operate as a T formation quarterback.

Our No. 2 back plays $4\frac{1}{2}$ yards

behind the center, our No. 3 back is $3\frac{1}{2}$ yards behind the right guard, while the No. 4 back can cheat right or left—though he normally plays off the tail of the right tackle.

Diag. 2 illustrates the "exploded" short punt (spread to become a double wing, with the assignments remaining the same).

Our best ground-gainer last season was the dive play to the No. 3 back (**Diag. 3**). The offensive right guard really calls this shot, signaling how he will take his man. The Nos. 1 and 3 backs watch for this key, and the ball-carrier (No. 3) dives accordingly.

As the opponents adjust to stop this dive, we go to our option play (**Diag. 4**). No. 3 dives and No. 2 flares, keeping parallel to No. 1 who drives straight down the line. (Note: 1 never looks back at 2.) As soon as an opponent breaks through, 1 options off to 2 or keeps and turns upfield. No. 4 hits the first man outside

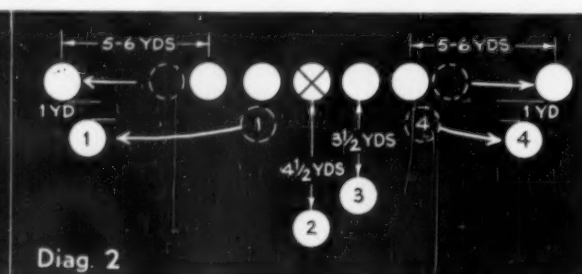
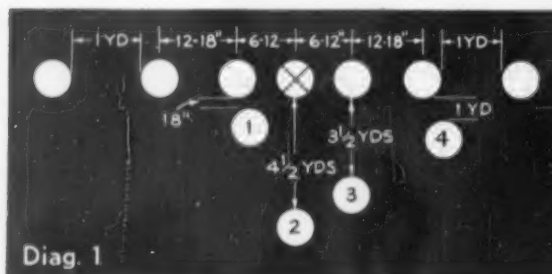
the end. (See diagram on page 10.)

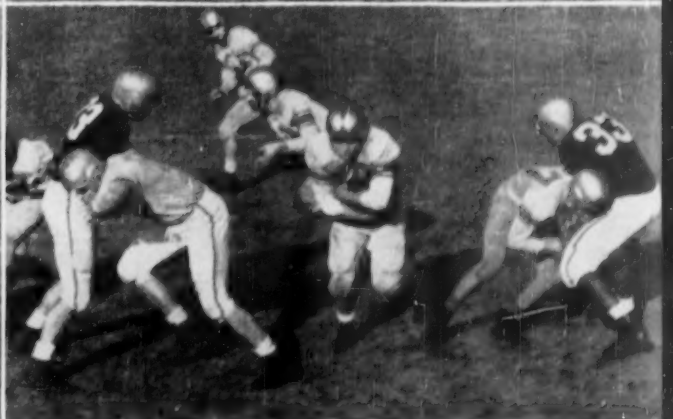
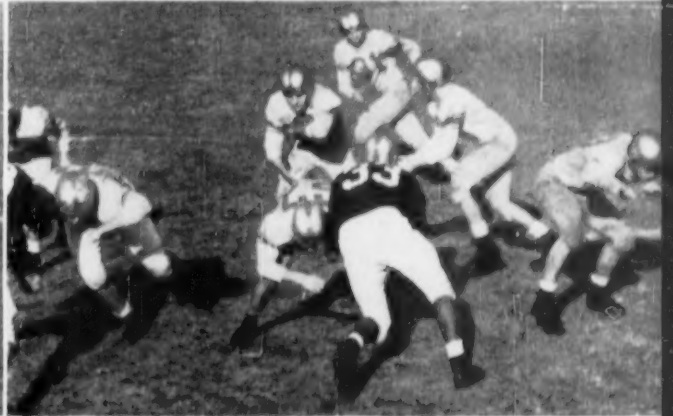
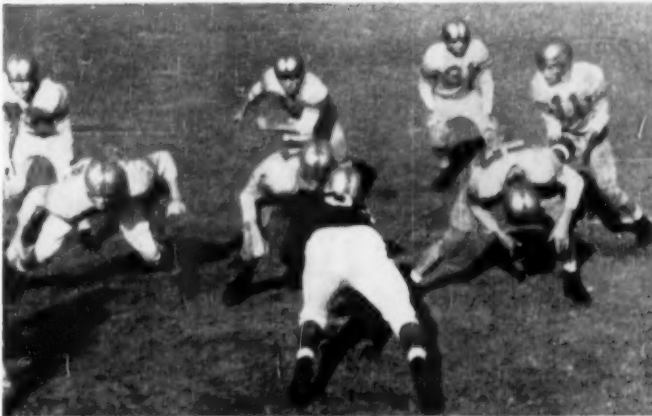
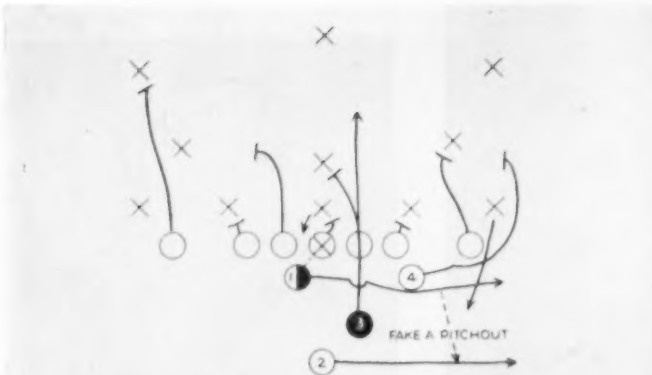
Our third play—a very effective one which I borrowed from Rip Engle—is the famous Penn State scissors (**Diag. 5**). As the defense starts to drift to stop the option, we have the No. 4 back turn 15° or 20° to the left. The 1 back fakes the dive to 3, continues down the line, and hands the ball off on the inside to No. 4, who breaks for daylight.

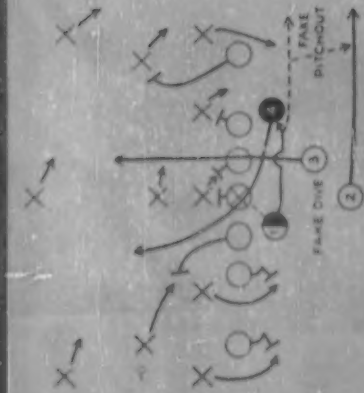
The right guard and right tackle execute stand-up blocks to screen the hand-off, while the left side of the line tries to get the opposition to go around their outside shoulders.

Another highly successful play has been the draw (**Diag. 6**), which we hook up with our quarterback pass.

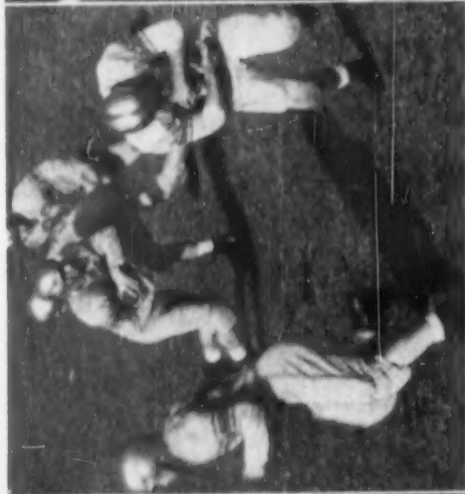
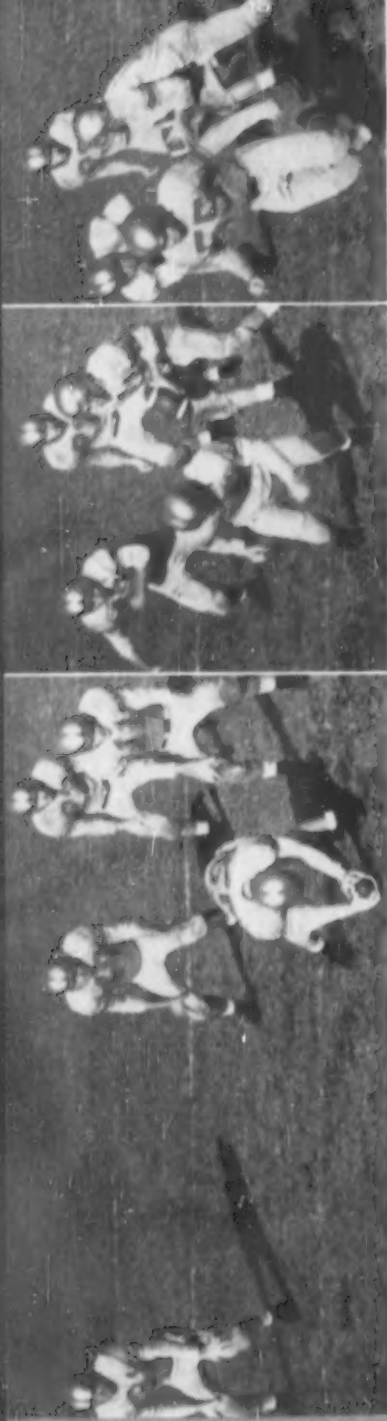
One of the glaring weaknesses of any direct-pass offense is that the ball must be centered to a backfield man and then carried four or five yards back to the line before any gain is realized.







Diag 5 scissor

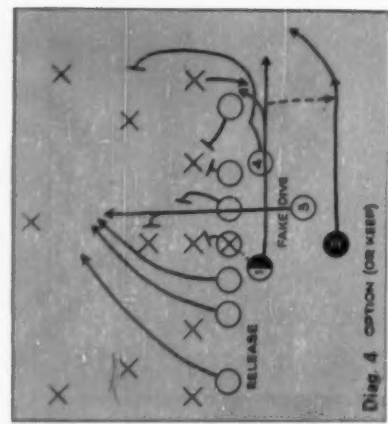


A Dressed-Up Version of the Old Short Punt

Our offense avoids this handicap, as you can see in **Diags. 3-5**. All the ball-handling occurs at or on the line of scrimmage—in the best tradition of the Split T. When run correctly, the ball never leaves the line of scrimmage. As a result, this cycle of the short punt rarely ends in any appreciable loss.

Coach Don Faurot of Missouri, generally recognized as the father of the Split T, told me that he got the idea for the quarterback option play after seeing a short punt team employ a play similar to the one in **Diag. 4**.

We go to the double wing merely by flexing our ends and flanking our 1 and 4 backs, as shown in **Diag. 2**.



Diag 4 OPTION (OR KEEP)

Following are some of the more vital ways in which we differ from the conventional short punt:

1. The most important point in our offensive scheme is that we do not teach blocking assignments as such. We teach the uncover system. We tell the boy that if he finds himself in a position between the opponent and the ball-carrier, that opponent is the man to block. If there's no one "on" him, he's instructed to release and pick up the next opponent between him and the ball-carrier. **Diag. 7** offers a hypothetical situation using the uncover blocking method.

To make this type of blocking work, two things are necessary: Each boy must be thor-

oughly familiarized with the hole numbers to his right and left, and he must be constantly worked against 4, 5, 6, 7, and 8-man lines.

2. Unlike the short punts of old, we do not pull our guards. We believe that pulling guards provide a key for the defense. No offense is going to pull two big guards to the right and then run to the left. Its play will invariably end up in the direction of the pull. Therefore, if the guards pull deep, the defense can look for a pass. If the guards pull close to the line, the defense can look for a run in that direction.

Diag. 8 shows the excess confusion at the hole caused by pulling guards (old short punt), with the off-side of the line not releasing for downfield blocking. When the guards pull like this,

it's simple for the defense to key off them.

Diag. 9 shows the same play from the new short punt. Note the fullback taking the end by himself, the left side releasing downfield, two men on the defensive tackle, and two fast backfield men leading the play through the hole.

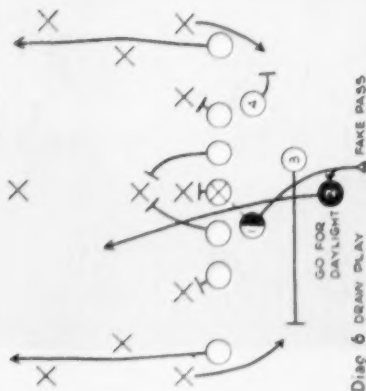
Now let's take a look at the in-and-out end run, comparing the old and new styles of short-punt operation. **Diag. 10** shows the rather clumsy old-style, with the off-side holding and the guards pulling. **Diag. 11** illustrates the new style, with the off-side releasing to form a downfield wall for a cutback possibility.

3. We do not pair the fullback with a lineman for double-team blocking. Our fullback blocks one-on-one. (See **Diags. 9 and 11.**)

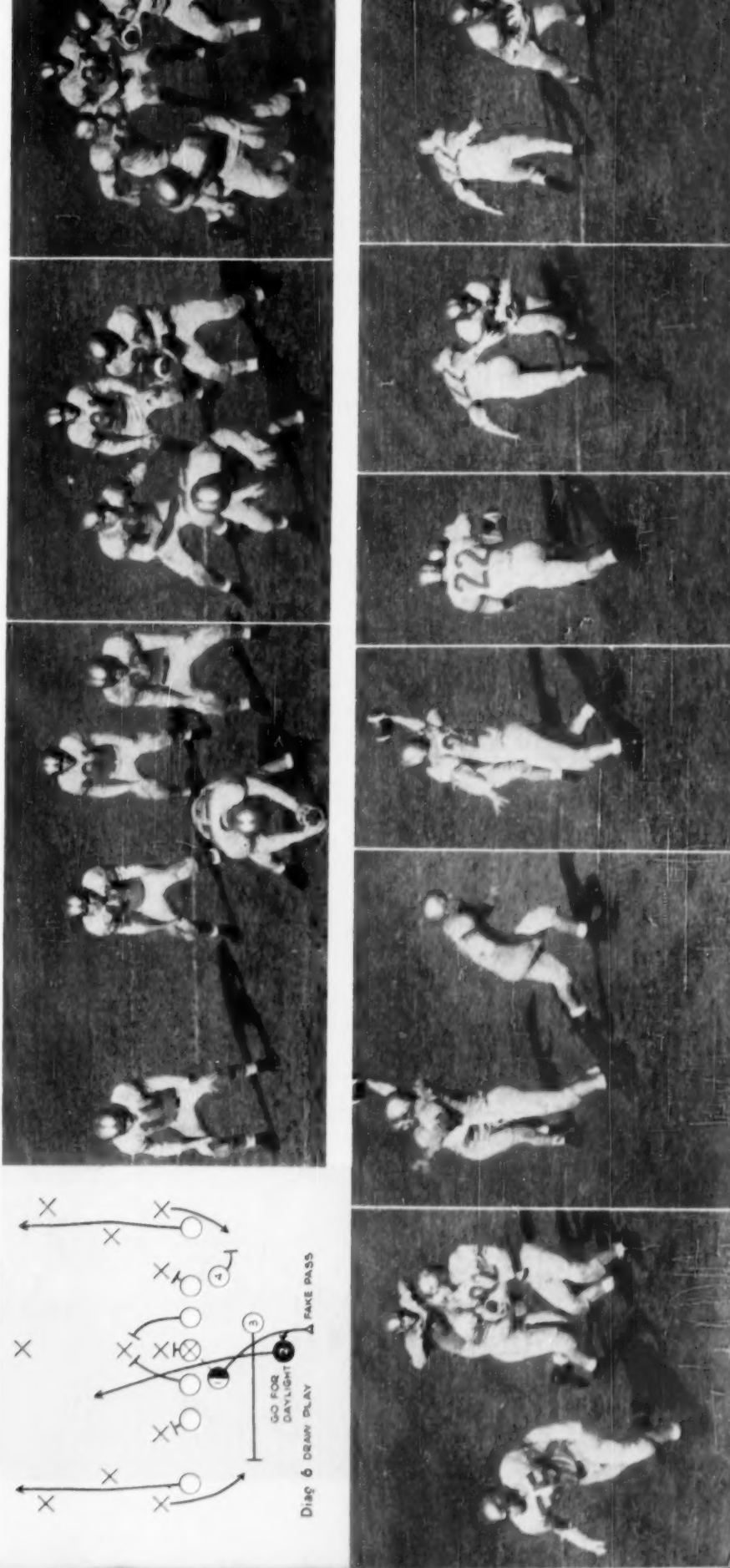
4. While we do double-team the defensive tackles, the two-timing is done by linemen playing side by side (end and tackle). Many teams prefer to team the wingback up with a lineman. But we feel this calls for too much precision—and too much practice. The combination of tackle and end has proved more fruitful for us. (See **Diags. 9 and 11.**)

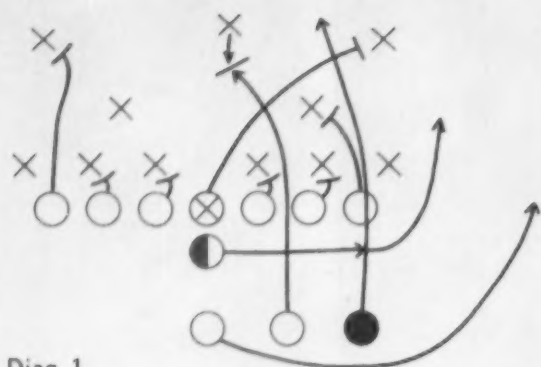
5. Releasing of the off-side linemen, as in the T, permits better downfield blocking and also helps in setting up a wall for the cutback, which is so widely identified with the single wing. We allow our off-side linemen to split when setting up, to see how far they can move and still control their opponent. This information

(Continued on page 56)

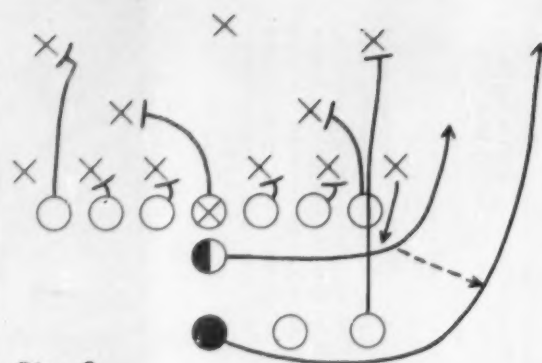


Diag. 6 DRAW PLAY

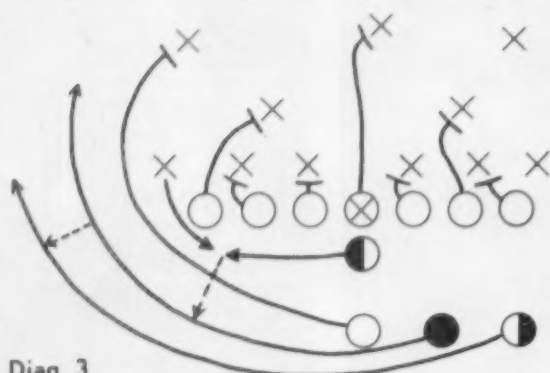




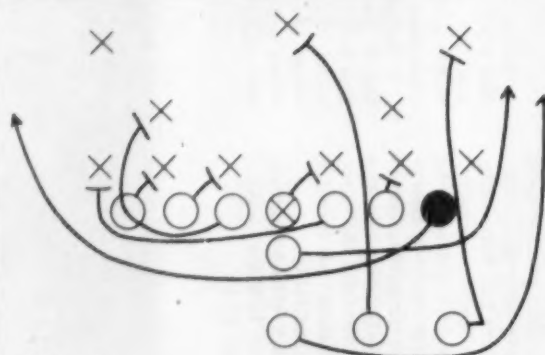
Diag. 1



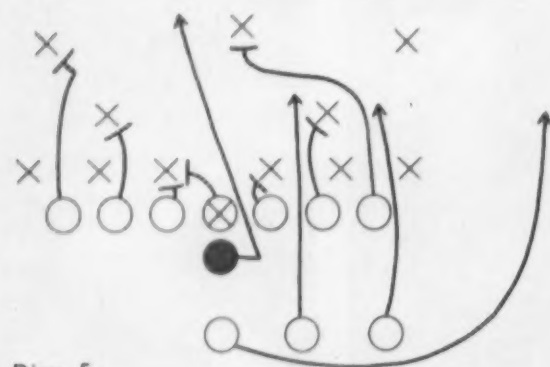
Diag. 2



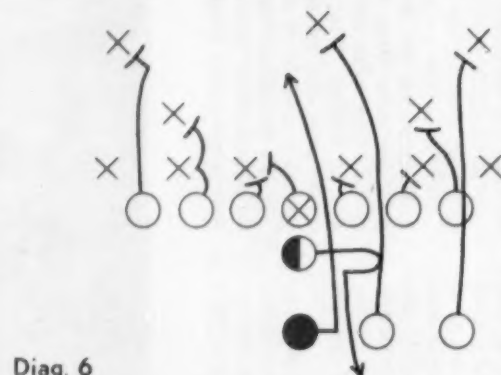
Diag. 3



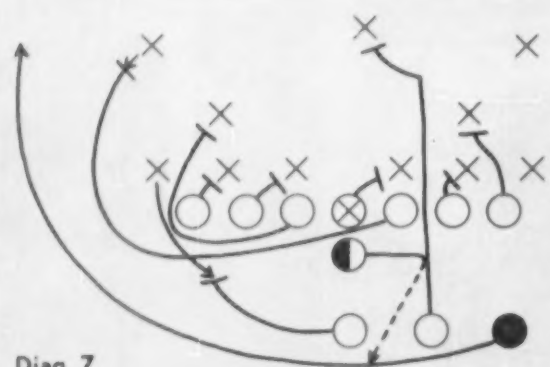
Diag. 4



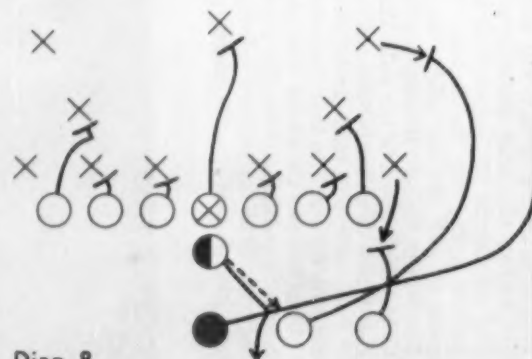
Diag. 5



Diag. 6



Diag. 7



Diag. 8

By JOHN M. AUSTIN, Coach, Perry (N. Y.) Central School

Overshifted-Backfield "T"

FEW high school coaches are fortunate enough year after year to inherit a boy with the physical requisites for a heavy-duty, line-plunging fullback. As a rule, they'll choose the best man available for the spot and let it go at that. Now, a boy with a lot of natural talent may compensate for his lack of bulk. But his lightness frequently may impair the attack.

Coaches faced with this situation may try an overshifted backfield. This simple adjustment will enable them to get the maximum mileage out of a light but fairly fast fullback.

As diagrammed below right, the adjustment is accomplished by shifting the backs one position either to the right or left, leaving, so to speak, an unbalanced backfield with the left or right half-back directly behind the quarterback. The quarterback has the choice of moving the backfield directly into the overshift from the huddle or shifting to either side from the conventional line-up.

The idea for this offensive adjustment came to the writer after adopting the double-handoff described by Don Faurot in his popular book, *Secrets of the Split-T*. In this play, the fullback is moved to a position approximately four yards behind the offensive end. The quarterback, after faking to the right halfback on an inside dive, continues down the line to hand off to the fullback, who has head-faked to his right and now smashes off tackle.

In high school ball, we've found that the fullback must be alerted (a) to the possibility of the hole opening in different spots according to the opponents' reaction to the fake dive, and (b) to the possibility of the quarterback exercising his option with the trailing left half.

This double-handoff play has been found especially effective near the goal line, where the defense often reacts with pressure toward the first swift thrust into the line; and—

whenever the defense has elected to gang up to stop the double-handoff—it has also served to effectuate our standard dive play.

The success of this play in our offense prompted the experiment with a complete backfield shift. At the time, we had a fine, quick-starting fullback who had been a leading ground gainer the previous season while playing left half. He had made especially good yardage on the conventional quick-opener, and it seemed quite plausible that in the new formation we'd get more good out of him as a combination runner.

Now, instead of the fullback being the ball-carrier on the double handoff, he's the player receiving the fake. The quarterback proceeds down the line to hand off to the right halfback, who carries out the double-handoff assignment.

Diag. 1 illustrates this play with the backfield shifted one man to the right. Notice that the left halfback trails the quarterback according to the regular pattern of the option series.

Diag. 2 shows how the option play can be run effectively from this formation, since the multiple threat forces the defense to deploy enough strength to stop two potentially dangerous plays instead of one.

Since the end isn't blocked, the quarterback must be prepared to execute the proper option in accordance with this player's actions. The pattern is exactly the same. If the end floats, the quarterback keeps. If he crashes, the pitchout is thrown.

When the defense overloads the critical points of attack to nullify the effectiveness of the overshifted backfield, an automatic signal at the line is used to send a counter at the undermanned side of the defense.

Diag. 3 illustrates an option play which is run to the weak side without a fake to a dive man. This lack of deception is compensated for by the faster striking effects of the play and the double lateral possibility whenever the end crashes on the quarterback.

For best results, this play should be run sparingly, being reserved mostly for situations where the defense has definitely committed to the strong side.

Diag. 4 illustrates another effective counter to the weak side which begins exactly like the double-handoff. As soon as the quarterback has faked to the first dive man, he hands off quickly to the right end, who follows his pulling guards around the weak-side end.

The quarterback then completes the fake of the double-handoff to the right half, who has delayed a trifle longer than usual with a head fake and stutter step to his right. The left half fakes receiving a pitchout and continues running hard for at least five yards beyond the scrimmage line.

For small-yardage situations and occasions where noticeable weaknesses appear in the guards, the most effective counter is still the quarterback sneak as illustrated in **Diag. 5**.

(Continued on next page)



YOU GET THE BEST FROM BROOKS
T FROM BROOKS - YOU GET THE BES
YOU GET THE BEST FROM BROOKS

Football and Track Shoes by **BROOKS!**

The **BEST**
leathers,
including
KANGAROO
LEATHER ...



the toughest, the lightest, the
best leather for athletic shoes!

The best design and work-
manship, plus exclusive features
that mean better fit, greater
safety, best performance!



The "Three-Striper"

New 3-band track shoe is best for
fit, foot support, light weight! Shock
proof heel!

See Your Dealer, or Write for Catalog
and School Price List now!

BROOKS
SHOE MANUFACTURING CO.
"Makers of the Finest in
Athletic Footwear"
50th & Market Sts., Philadelphia 39, Pa.

ST FROM BROOKS - YOU GET THE BES
YOU GET THE BEST FROM BROOKS

The offensive line should react quickly to an automatic call on the scrimmage line for this play. It also starts like the double-handoff; then the quarterback dives quickly for the open hole.

A play which may well catch an opponent off guard is shown in **Diag. 6**. It has precisely the same assignments as the standard full-back counter of the Split T. Since the left halfback is the ball-carrier in the overshifted backfield, a team may realize longer yardage from this play—inasmuch as it's springing a more elusive runner past the linebackers.

The right half hits into the line even though the quarterback cannot fake to him. His movement may cause an important defensive player to take his eyes from the actual ball-carrier.

Diag. 7 provides a further variation in counters as the right halfback, after a head fake to the right, wheels to his left for a pitchout from the quarterback who has faked to the fullback on a quick opener. If a team has a left-handed passer, he can be particularly effective running this play with the pass option.

Diag. 8 illustrates a simple quick pitchout to the strong side which can pick up good yardage. Since the backs are overshifted, they're in excellent position to turn the end quickly. This play is especially effective with a good blocker in the right half position, a fellow who can be counted on to do a real job on the end.

These are some of the plays that

can easily be integrated into a standard Split T attack. By coming out in a conventional T and then shifting to an overbalanced backfield to either side, the offensive team can prevent the defense from anticipating starting signals and even getting completely set for the play.

As a "change of pace" attack, the overbalanced backfield provides the conventional quick opener with more striking power; for an opponent who has faced a series of plays from the overshifted backs may be caught napping by a quick thrust from the starting balanced T alignment.

Equally as important an advantage is the fact that opposing coaches must devote extra practice time on schooling their players in the various defenses they intend to use against this offense. If a mistake occurs during one of the adjustments on the field, the quarterback should be quick to exploit his advantage. Failure to do so will probably rule out the possibility of the long gainer from this formation.

Fortunately, poor judgment by the quarterback needn't hinder the effectiveness of this attack in small-yardage situations.

Although the adjustment is a simple one, high school players seem to enjoy using this formation to confuse their opponents. They like to pound away at the strong side, hoping to force the defense into giving them an opportunity to spring a successful counter on them.

In short, it provides the variety which young players seem to need to keep their interest high.

FREE LITERATURE AND CATALOGUES

• **Brooks Athletic Shoe Catalog** and Price List is a handsomely turned out looseleaf affair delineating the complete Brooks line of footwear for baseball, track and field, basketball, bowling, football, boxing, wrestling, ice skating, hockey, roller skating, and soccer. For your copy, check the "Brooks Shoe" listing in the master coupon on the last page.

• **A Coach's Sports Calendar** (22" by 34" in two colors) which provides ample space under each date of the school year to record future sports events and important meetings may be obtained by writing to the Master Lock Co., 2600 N. 32nd St., Milwaukee 45, Wis.

• **Rawlings Advance Football Catalog** is a 36-page job describing and pricing the complete Rawlings line for 1956, including a special section on boys' football equipment. For your copy, check the "Rawlings" listing in the Master Coupon on the last page.

• **Rawlings Spring and Summer Catalog** for 1956 (80 pp.) covers its

complete line of spring and summer equipment. Check the "Rawlings" listing in the Master Coupon on the last page.

• **1956 Famous Slugger Year Book** is packed with baseball memorabilia, including pictures of the 1955 outstanding sluggers, records, highlights of the season, and a splendid article on batting by Duke Snider. Also available from the same company is the **1956 Official Softball Rules**, which also contains pictures of winning teams and records of the 1955 season. For your free copies of both these books, check the "Hillerich & Bradsby" listing in the Master Coupon on page 63.

• **Kennedy's Spring and Summer Catalog** is an attractive 32-page affair which illustrates, describes, and prices a fine line of baseball, tennis, badminton, softball, shuffleboard, and squash equipment. For your copy, write to Kennedy Sporting Goods Mfg. Co., 524 Catherine St., Utica 2, N. Y.

**Prevent wall crash
accidents in gyms
and class rooms!**

Medart

Attractive

SAFE-WAL

Rubber-cushioned Vinyl-covered

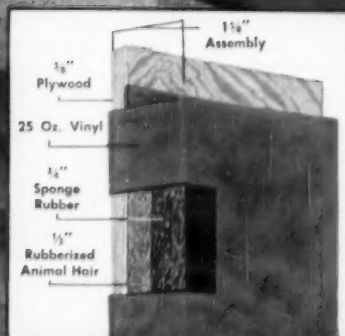
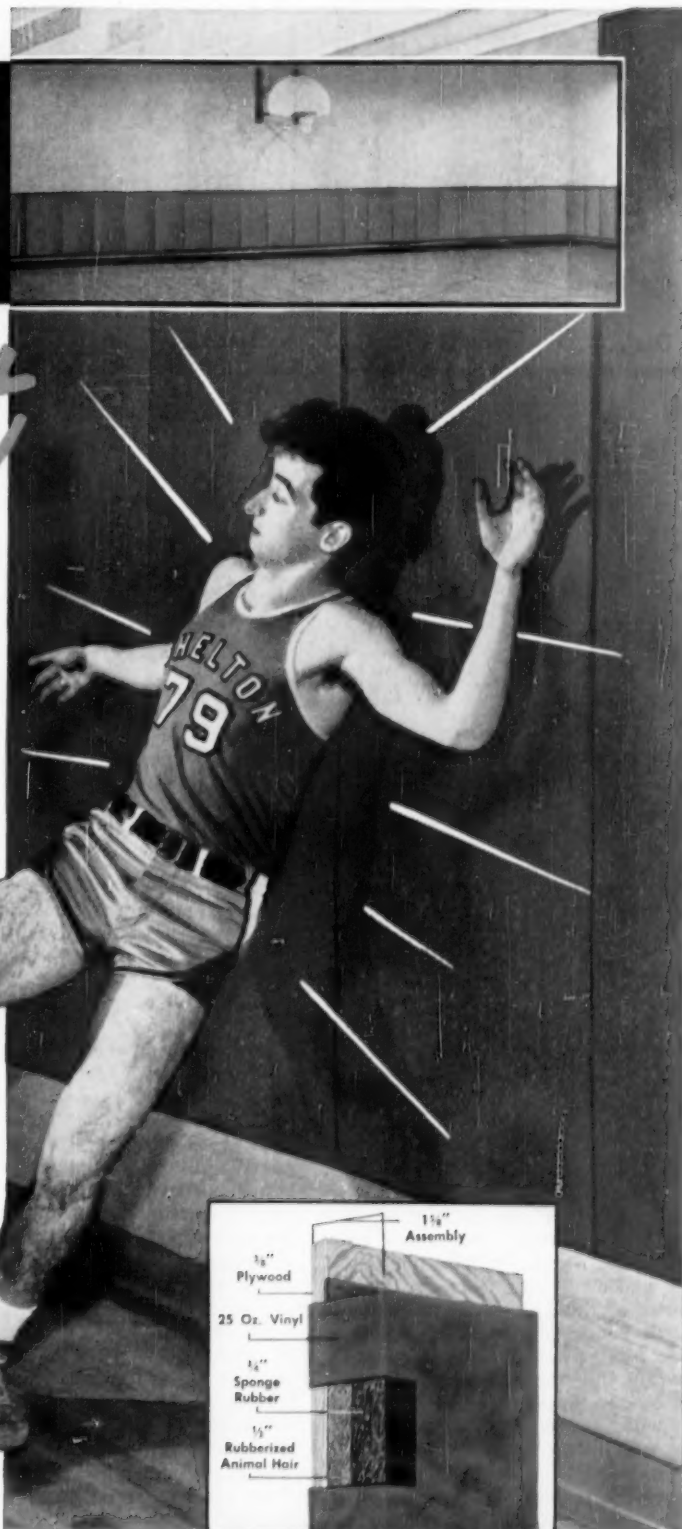
WAINSCOT

A new development—already proved in scores of schools everywhere—designed especially to guard against injuries from body impact against walls of multi-purpose play rooms and gymnasiums.

Sound-absorbing and sanitary, handsome SAFE-WAL costs no more than many types of hard surface wainscoting—eliminates costly wall protective mats, tile or terra cotta facing, wood paneling,

plaster, other wall finishes—is easy to install over rough walls—is resistant to dirt, grease and moisture—requires no maintenance except occasional cleaning. Made in tan, green or gray.

Ask for complete brochure

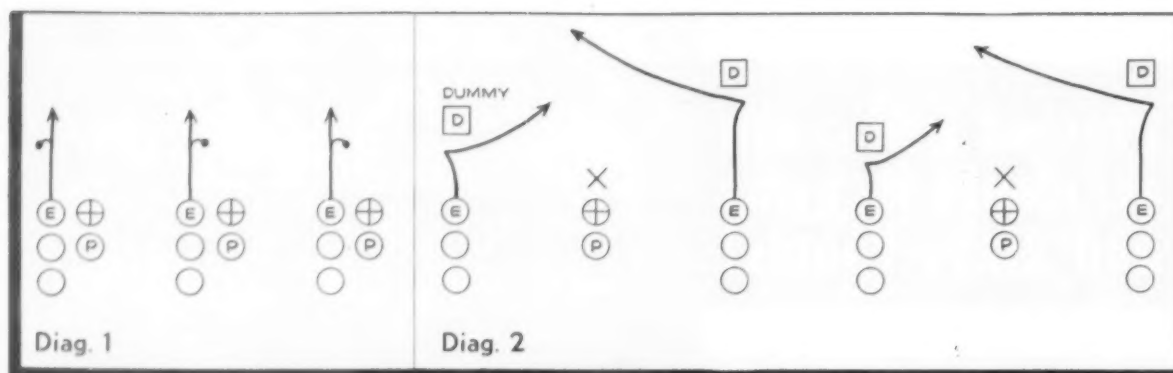


Section thru SAFE-WAL shows durable construction. Standard panels are 2'0" wide, 5'0", 5'6" or 6'0" high. Filler panels are 1'0" wide. Special sizes made on order. Cutouts around switch plates, fountains, other wall elements, are easily, neatly made at time of installation.



SPECIFY the best, then INSIST on it!

FRED MEDART PRODUCTS CO., INC.
3542 DE KALB ST. • ST. LOUIS 18, MO.



Combination Passing Drills

By **ROGER BAER**, *Coach, Santa Cruz (Calif.) High School*

THE most economical use of daily practice time is an organizational "must" at the beginning of the season. This is particularly true on the high school level, where most of the players are inexperienced and need intensive work on fundamentals before they can be fitted into the team's offensive or defensive plans.

The problem of planning the practice routine will differ according to the size and experience of the squad, the number of coaches, and the length of the practice session. However, in each case, the head coach must take short cuts. He must decide which phases of the session to emphasize at the expense of others.

No coach has as much time as he'd like to devote to fundamentals, so that the best utilization of available time may make the difference between a winning and a losing season.

One way to avoid waste time is to carefully select and organize the fundamental drills. While the beginning coach may be tempted to try out all of his ideas in the hope that something may rub off on his more inexperienced players, the time element makes it necessary to discard many drills and modify or combine others to meet his particular time schedule.

The more experienced coaches know there's a relationship between some basic techniques, and that there may be a transfer of training from one skill to another. This can eliminate the need for constantly working on one technique alone.

For example, there's a high correlation between blocking and tackling ability, and one combination drill may be used to improve both fundamentals. Kicking drills can also be used to develop open-field running, blocking and tackling, and punt receiving. In a like manner, other exercises and drills may be conceived to develop total players in a more interesting and time-saving manner.

Santa Cruz has been using a series of passing exercises which I believe combine the best features of a number of basic drills. We introduced these one season when early practices showed our vulnerability to passing. After practicing these drills, our pass defense improved as we had expected. What we hadn't anticipated, however, was the development of a good passing attack at the same time—despite the fact that we were originally a running team.

Warm-up Passing Drills. Our passing drills are held at the beginning of practice every day. We

usually try to have our passers and receivers limber up in our 15 minutes of free work before starting our timed daily schedule. We believe it's as important for a passer to warm-up gradually as it is for a baseball player to throw easily for several minutes before cutting loose. This practice will save many sore arms and pulled muscles.

Our passers start their preliminary warm-up by throwing short passes to one another from a kneeling position. In the case of a right-handed passer, the right knee is on the ground and the left foot extended. The passing distance is gradually widened until the passers are straining to reach their partners.

After a few weeks of this drill, they can throw as far from this position as they originally could when upright. The improvement carries over into the orthodox passing stance and helps wrist snap and control. It also eliminates the tendency to throw side arm or with a windup.

At the same time, our receivers throw short and soft to one another, trying to catch the ball with one hand. This trains the boy to keep his eyes on the ball and nullifies his tendency to smother the ball with the arms when making the catch. They also throw lead passes to one another, working on one of the principles we stress for all receivers—running without bobbing the head or the shoulders.

We also check to see that they don't pump their arms and grab for the ball at the last moment, instead of stretching and running smoothly as the ball approaches. This isn't a natural technique, but must be developed with practice.

Diag. 1 shows a group warm-up exercise used daily for the purpose of throwing a lot of passes to several players without wasting too much time. The number of groups depends upon the size of the squad, but we

MacGregor

OFFICIAL 97 BASEBALL



"The choice
of those
who play
the game"



You can't buy a better ball!

The "97" enjoys an enviable reputation for unvarying quality . . . uniform service and satisfaction.

Season after season—team after team—more official 97's are getting the call. See your MacGregor dealer for the 97, try them in actual play, and judge for yourself. There's no substitute for in-built quality in a baseball. Why take chances with an unknown? Use the ball that has been adopted for the 1956 season by the following leagues:

Southern Association
South Atlantic

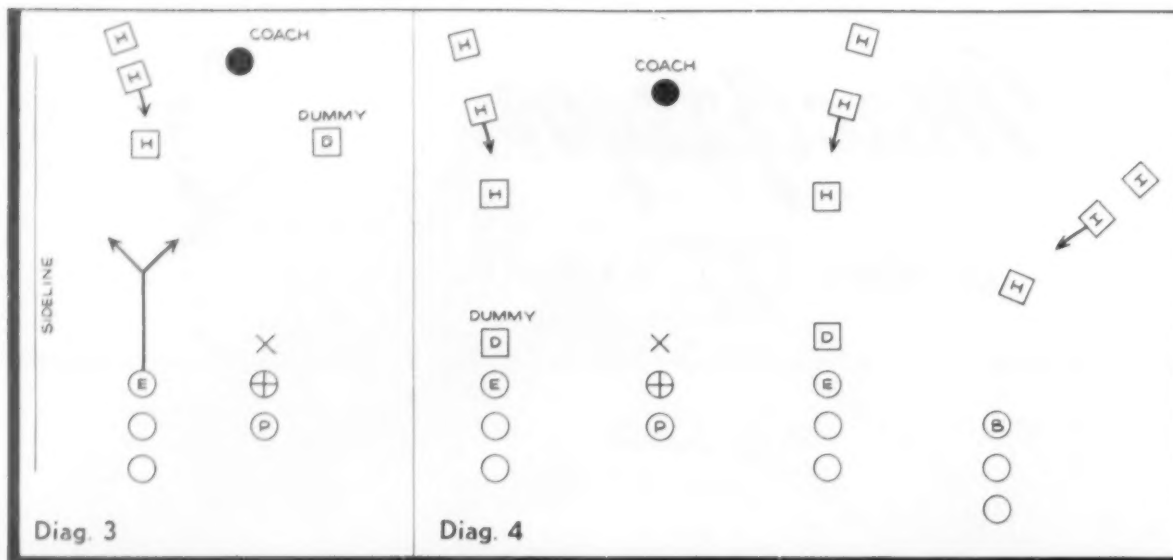
Florida State
Eastern League

Northern League
Evangeline League

Get the feel
of the "97" at



The MacGregor Co., Cincinnati 32, Ohio • Baseball • Football • Basketball
Golf • Tennis • Badminton • Softball • Soccer • Volleyball • Track



try to have as many groups as possible so that the receivers are always hustling back to their lines so as not to delay the next pass.

Our receivers line up close to the center and run straight ahead on the "hike" command of the quarterback. They run at controlled speed, lift one arm quickly, and turn the head in that direction. The passer takes one step back, hits the receiver on the signal side, and then immediately steps behind the center for the next short pass.

The receivers gradually widen out from center on subsequent turns until they're running from a normal end or wing position. As they widen,

the passer steps back farther before throwing.

Diagram 2 illustrates a method of practicing receiving stunts. We place dummies at defensive half positions to be sure the ends and backs run their patterns correctly. It may help to have coaches stand at defensive positions to observe the action of the receivers. Whenever the boy's faking becomes obvious, he must be shown the value of good acting in trying to elude the defensive back.

The snap signals may be called individually by each group, or all receivers may go on one cadence called by a single quarterback. It's also possible for the signal callers

to give the starting commands in unison to develop a standard rhythm. The quarter may change the passes before each snap by calling out "left end in, right end streak" or any other such pattern.

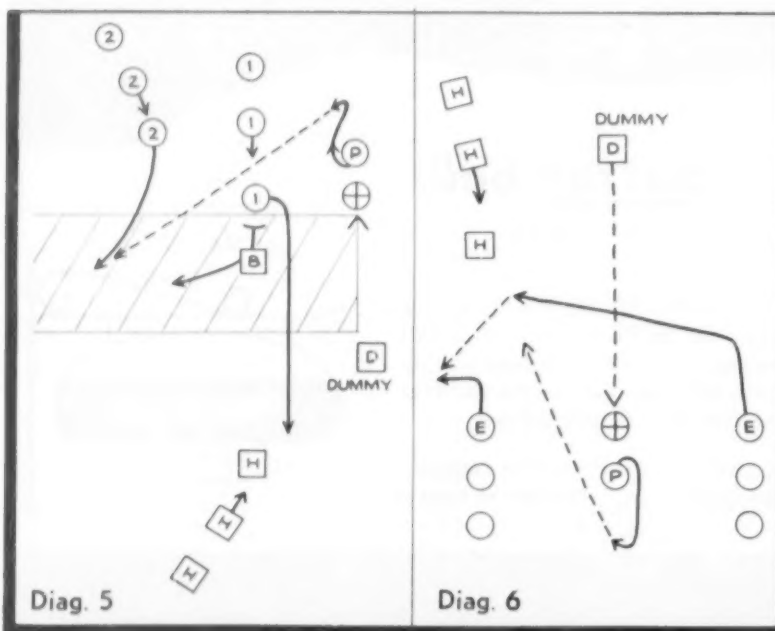
This drill progresses to a 1-on-1 exercise (Diagram 3). The end must catch the ball inside a definite zone marked by the sideline and a dummy, while the passer must throw within four seconds. The maneuver may be given to the end by the passer before the snap, or the coach standing behind the defense may hand-signal the pattern he desires.

The defender receives invaluable game-type experience in this drill. He learns to use the sideline as an aid, to retreat rapidly without turning the back or crossing the feet, to watch the belt to avoid taking the fake, and above all to "fly" toward the ball when it's in the air.

A good aggressive type of pass defense can be encouraged and the difference between interference and legal contact may be dramatized. This is a good time to show the defensive half that he has as much right to the ball as the receiver once it's in the air. While this drill emphasizes man-for-man defense, the principle is valid even in a zone or a combination defense.

This drill may also be enlarged into 2-on-2 or 3-on-3 competition (Diagram 4). It then combines blocking and tackling situations with pass offense and defense. Here again the players may run the patterns the quarter calls or take the signal from the coach.

For example, palm held toward left end can mean a hook pass; thumb over shoulder indicates a



These MOSBY Texts Increasing Yearly in Popularity!

MEANS

THE ORGANIZATION AND ADMINISTRATION OF INTRAMURAL SPORTS

Considering many social, psychological and educational connotations, this book presents the background of Intramural Sports. It gives a good account of present practices and ideas that are workable and effective—and implications for future planning. Practical suggestions are included from all kinds of schools and from every part of the nation and Canada. The author has dedicated it to the principle that no student should be deprived of recreational experiences which may contribute more than we know to a long, happy and normal life. It will be of immeasurable assistance to the thousands of educators who are seeking to develop the finest program possible for all students. By **LOUIS E. MEANS**, formerly Professor of Physical Education and Director of the Division of Physical Education and Intramural Sports, University of Nebraska. 2nd Ed. 462 pages, 240 illustrations. PRICE, \$4.50.

STALEY

PHYSICAL EXERCISE PROGRAMS

This book is designed to be used as a textbook in teacher education classes and leaders club groups dealing with programs in physical exercise and as a source book by practicing teachers engaged in directing classes in this type of work. It should be particularly helpful to those searching for improved methods of teaching and management, new programs, new variations of old programs, and new exercises. Contents: Survey of the Program, Method of Conduct, Calisthenic Exercises, Companion Exercises, All-out Exercises, Locomotor Exercises, Carrying Exercises, Bulldozer Exercises, Grass Exercises. By **SEWARD CHARLE STALEY**, Director, School of Physical Education, University of Illinois. 292 pages, illustrated. PRICE, \$3.50.

**BRESNAHAN
TUTTLE
CRETZMEYER**

TRACK AND FIELD ATHLETICS

In this new edition the entire subject of track and field athletics has been brought up to date. Several chapters have been revised extensively, new figures have been added, and an outline has been placed at the beginning of each chapter. The techniques of each event are described in the order in which the athlete executes them. It is recognized that the "step-by-step" plan will be altered by the coach when he begins "on-the-field" instruction. In anticipation of such a situation, suggested daily schedules of practice are presented toward the end of each chapter. These schedules provide a tested pattern for the order in which specific techniques may be taught the athlete. By **GEORGE T. BRESNAHAN**, Assistant Professor of Physical Education; **W. W. TUTTLE**, Professor of Physiology; and **FRANCIS X. CRETZMEYER**, Assistant Professor of Physical Education and Track Coach—University of Iowa, Iowa City, Ia. Fourth Edition. 528 pages, 75 illustrations. PRICE, \$5.50.

**UMBACH
JOHNSON**

SUCCESSFUL WRESTLING—ITS BASES AND PROBLEMS

This book on American amateur wrestling goes beyond what has been written before. In addition to covering the subject of amateur wrestling as thoroughly as possible it offers the following special features: 1) Pictorial analysis of wrestling maneuvers. These are from championship movies and from still photographs. Every important step in each maneuver is clearly shown. 2) Scientific research is the basis for the information in this book on development of those physical qualities necessary for success in wrestling. The role that wrestling can play in the optimal personality development of young men is explored and discussed. The administration section includes, among other practical suggestions, the procedures, step-by-step, that should be followed in order to guarantee a successfully run wrestling meet and tournament. By **ARNOLD W. UMBACH**, Head Professor of Men's Physical Education, Wrestling Coach, Alabama Polytechnic Institute, and **WARREN R. JOHNSON**, Professor of Health and Physical Education, University of Maryland. 256 pages, 125 illustrations. PRICE, \$3.50.

THE C. V. MOSBY COMPANY, 3207 Washington Blvd., St. Louis 3, Mo.

Date _____

Gentlemen: Send the book(s) checked with (X) on 30-day approval. Teachers' discount of 10%. (It is understood that in the event the books ordered are adopted as a text at our school that the charge for my copies will be cancelled).

☐ Means "THE ORGANIZATION AND ADMINISTRATION OF INTRAMURAL PROGRAMS" \$4.50

☐ Bresnahan-Tuttle-Cretzmeyer "TRACK AND FIELD ATHLETICS" \$5.50

☐ Staley "PHYSICAL EXERCISE PROGRAMS" \$3.50

☐ Umbach-Johnson "SUCCESSFUL WRESTLING" \$3.50

Name _____

Position _____

School _____

City _____

Zone _____

State _____

FAIR PLAY ELECTRIC SCOREBOARDS

Pasadena
Rose Bowl or
Valley High! The
first choice of those
who put QUALITY
first is FAIR-PLAY.



- All aluminum alloy totally enclosed cabinets
 - Big 24" red, green and amber numbers
 - Telephone dial control
 - Day or night operation
- Multiply the interest; add to the gate receipts.



Now low priced all aluminum alloy board with 24" numbers and telephone dial control. Top section to show time, score, and down (or period) may be bought now and bottom section added later. Top section may be used as a combination football-basketball scoreboard.

Write now! Plan to order early and beat the shortages of copper, aluminum and steel.

We have a
dealer near
you.

FAIR PLAY MFG. CO.

73 Thayer Street
DES MOINES 15, IOWA

streak; circle movement of hand might mean a stop-and-go. Many other hand signals can quickly be given to keep the defenders on their toes.

The drill can help the defender solve one of the toughest of all defensive assignments—how to handle crossing ends. The half may stay with his man or cover him only in the zone and call out to the other defender as the receiver crosses out of the zone. In this drill and others, we also give our centers a workout by putting a middle guard in front of him. We also use players with pneumatic dummies in front of our ends, who try to check the ends at the line of scrimmage.

Diag. 5 shows another dual-purpose drill in which the line-backer bumps or legally "molests" the offensive end (1) before covering the No. 2 man, who attempts to receive in the flat. The defensive back covers the end if he's able to get downfield.

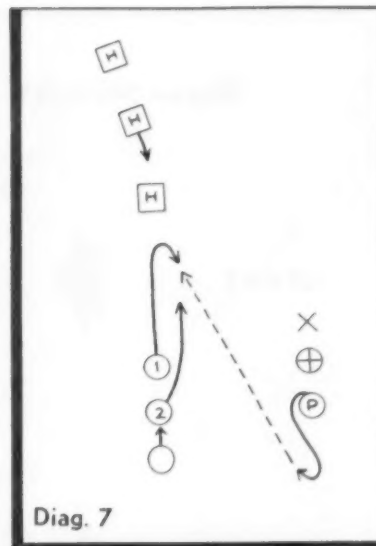
The backer must be careful not to hold the end or touch him once the pass is in the air. This drill may be varied with the backer covering the end man-for-man after checking him.

A drill for covering a "flooded" area or zone is shown in Diag. 6. The quarter can throw to either man who is open in the defensive back's territory. If he hits the deeper man, a lateral pass may follow. If the pass is thrown to the shallow receiver, the right end tries to block.

The drill in Diag. 7 presents a somewhat similar problem to the defensive back. He tries to cover a hook pass with a trailer. In making the stop when the pass is completed, a high tackle is advocated to nullify the possible lateral. An attempt should also be made to pull the receiver's arms apart as he touches the ball.

The trailer can occasionally run a streak pattern to keep the defender honest, while the hook man can run a stop-and-go for the same purpose.

Diag. 8 is a pass protection and rushing drill which features either straight or cross-blocking by the



Diag. 7

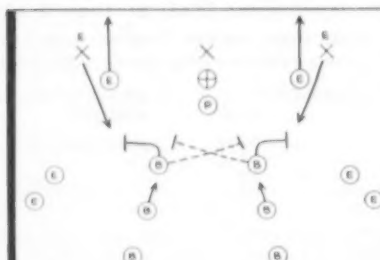
backs in protecting the passer. After each turn, the offensive ends exchange places and assignments with the defensive ends. Linemen may be used with the backs in pulling to form the protective cup.

Another rushing and protection drill (Diag. 9) utilizes entire line units. The offensive line tries to hold for at least a count of three before letting the defense through. The passer retreats at least six yards and then tries to hit one of his ends. The rushers try to tackle the passer; if not possible, they jump as high as possible with arms up to block the pass.

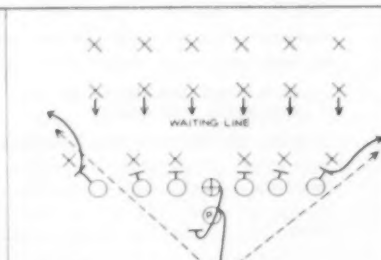
The rushing line takes over on offense after each pass and the blockers line up at the end of the defensive line. This is a good drill for teaching backs to throw under pressure and for working on the execution of screen passes.

Our most popular combination drill (Diag. 10) is a skeleton scrimmage featuring seven offensive men against a like number of defensive players. The offensive team is given three downs to advance the ball 10 yards. They may lose possession on an interception or by failing to make

(Concluded on page 36)



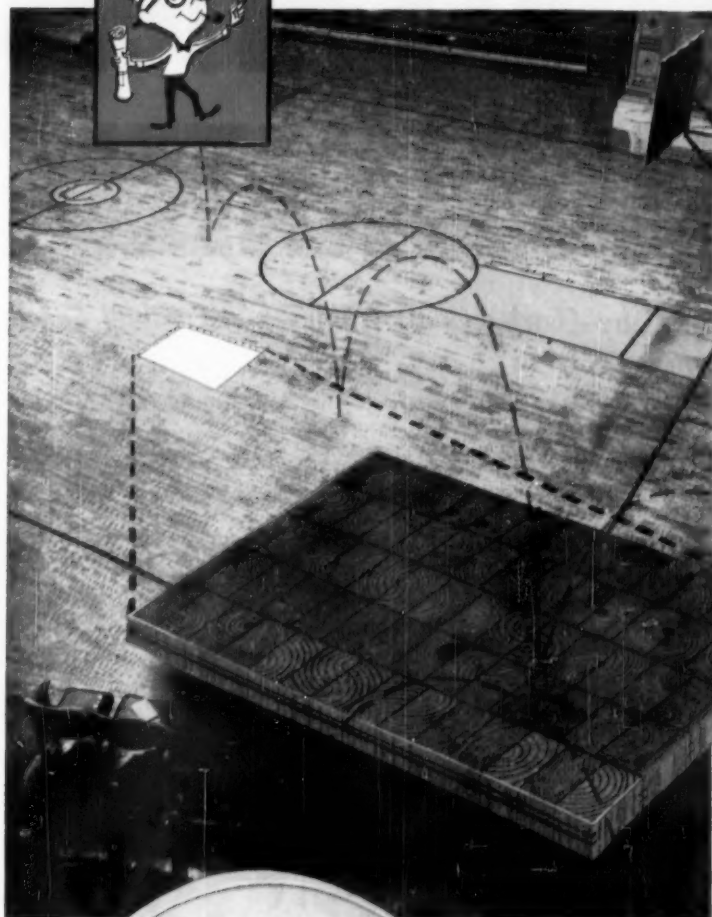
Diag. 8



Diag. 9



Take a tip from the guy who knows:



**FOR NATURAL BEAUTY
AND RUGGED
DURABILITY...
INSIST ON *Kreolite!***

If you're looking for a school flooring material that offers both beauty and durability, then *insist* on Kreolite Flexible Strip End Grain Wood Block Flooring!

No flooring material made can match the beauty of Kreolite's natural finish woods and the rugged durability of its famous end grain construction.

Ideal for school gymnasiums and vocational shops, Kreolite is economical to install, resilient underfoot. And you'll find that Kreolite Flooring is a cinch to maintain!

Discover for yourself why so many architects, school boards and school executives *insist* on Kreolite. Fill out the coupon below today!

**The
Jennison-Wright
Corp.**

**2463 Broadway
Toledo 9, Ohio**

*Canisius High School
Arch.—Albert A. Rumschik
Buffalo, New York*

► KREOLITE FLEXIBLE STRIP END GRAIN WOOD BLOCK FLOORS



Please send me a free sample and complete specifications of Kreolite Flexible Strip End Grain Wood Block Flooring.

Name

Address

City State



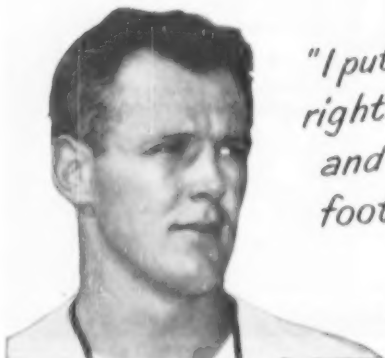
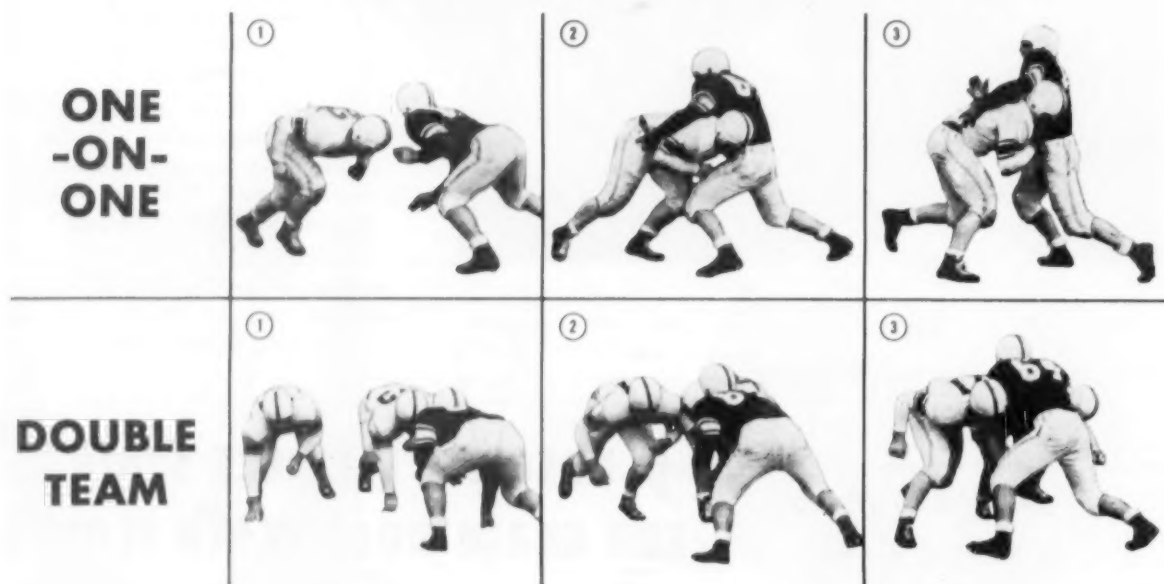
QUAKER OATS offers ILLUSTRATED

"HOW TO PLAY FOOTBALL" by Charles (Bud) Wilkinson — Football Coach,

BUD WILKINSON tells you how! Here are the many subjects covered. They give you a fundamental approach to the game and excellent help during practice.

- Blocking
- Kicking
- Conditioning
- Tackling
- Centering
- Team Offense
- Passing
- Ball-Carrying
- Quarterback Strategy

BUD WILKINSON shows you how! This valuable book is fully illustrated with step-by-step pictures from actual movie films plus play diagrams. Here's a sample of the excellent "How to" pictures:



*"I put hot Quaker Oats
right alongside of meat
and milk in my list of
football training foods."*

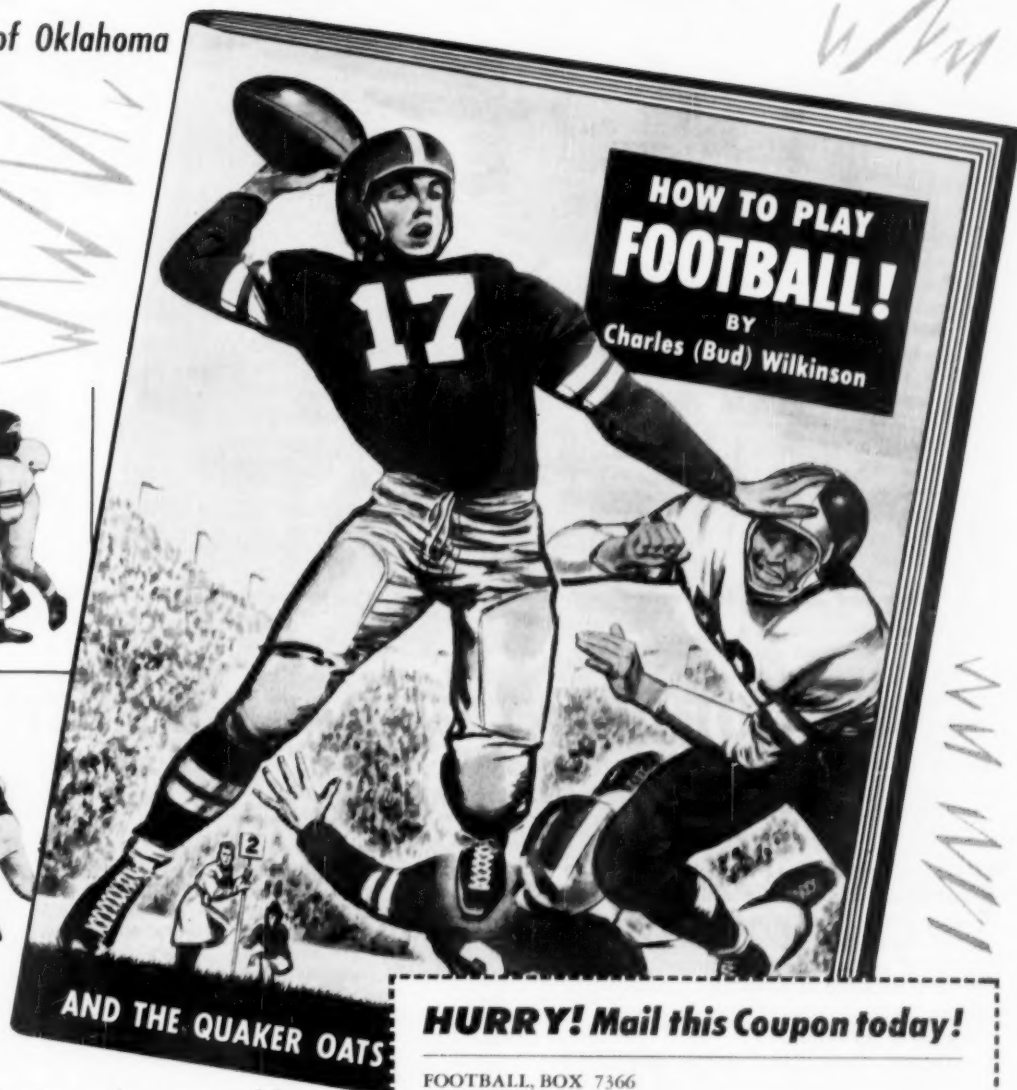
*says
Coach Wilkinson*

Mother's Oats and Quaker Oats
are exactly the same



you free copies of FOOTBALL BOOK!

University of Oklahoma



FREE! As many copies as you need for your squad will be sent from The Quaker Oats Company.

This book will show your players how to play better football and win games.

◀ FOR FAST BREAKFASTS—

Quick Quaker Oats requires
only 1 minute of cooking.

HURRY! Mail this Coupon today!

FOOTBALL, BOX 7366
Chicago 77, Illinois

Please send me FREE copies of "How to Play Football."

Name _____

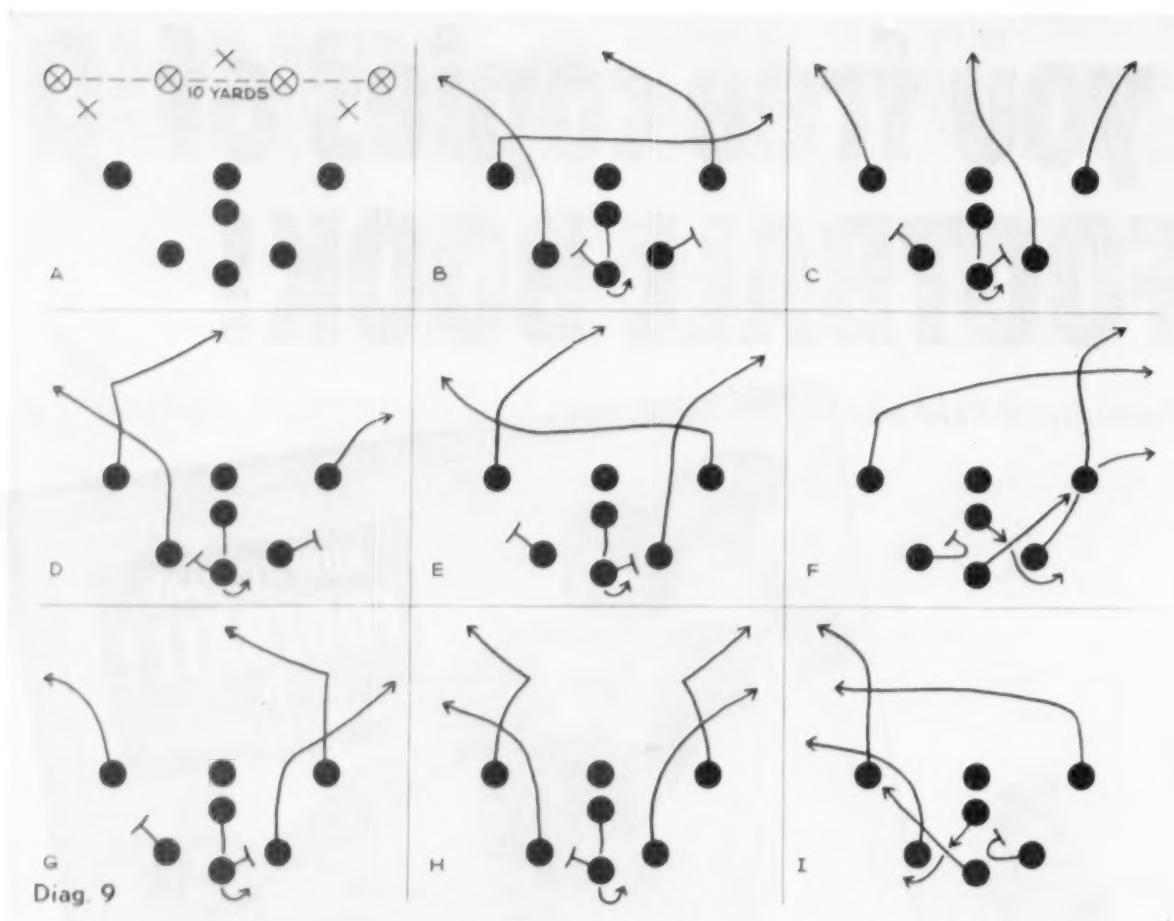
School _____

Squad Size _____

Street _____

Town _____

Zone _____ State _____



Standard patterns to practice against in developing the zone defense for deep secondary members.

A COORDINATED PASS DEFENSE

PART 2

THE principles of secondary pass defense should be understood at this point. They are as follows:

1. A zone defense against the straight T or balanced formation.

2. A combination zone and man-to-man defense against the flanker or single-wing offense.

3. Rotation against the running pass with emphasis upon containment of the passer.

Let's look into the first two principles, leaving the third for subsequent study under integration of linemen and secondary members. Since there are no perfect principles of pass defense, it's assumed that something must be conceded to the passing arm at the outset. Our desire is to give as little as possible.

The first defensive problem is represented by crossing ends near the

line of scrimmage. We believe that linebackers can more effectively defend them than can the deep secondary. Our first drill employs patterns with ends crossing and the deep secondary remaining in position (zone defense) to play the ball.

Our halfbacks cue from the end and open linemen on their side, and should learn early in the season that linemen will not be downfield on a pass play. They maneuver back and out as explained earlier, never permitting the receiver to get within four yards of them as long as the receiver is moving downfield. When the end makes his break in one direction, the halfback may close fast to play the

ball and the man. Instructional guides for defensive halfbacks include:

1. Play the end and the ball in your deep, outside zone.

2. Cover him quickly on an outside break near the goal line (covered in earlier drills).

3. With two men in your zone, play the deeper man and react to the ball in time to make the tackle if the pass is completed to the shallow receiver.

4. Yell "man across" if the end breaks quickly to other side and remain in position—watching the opposite side for an eligible man coming into your zone. Don't cross at any time. If an end breaks across the middle after a deep original course, let him go, yell "man across," and remain deeper on the alert for such a break from the opposite end.

The defensive halfback employs the crossover step to maneuver and

By **CARNIE SMITH**

Coach, Kansas State Teachers College

The quality supporter at Bulk-Pack price

For Schools Only



This way you can buy the best—
Bike No. 10 Supporters—and
save money when you do it

Coach, here's a real bargain that cost-conscious school boards will approve of.

Now you can buy quality *Bike* supporters for no more than you pay for ordinary supporters. Yet, *Bike* costs less to use because they last far longer. They're made with 4T-280 Heat Resistant Rubber to keep their stretch better—stay useable longer—than supporters made with ordinary rubber.

In the Bulk-Pack for schools, *Bike* No. 10 Supporters are easier to store, easier to issue, easier on the budget. Your Sporting Goods Dealer has them in stock now.

SPECIAL SCHOOL BULK-PACK CONTAINS
ONE DOZEN OF ONE SIZE ... **\$8.85**

SOLD ONLY BY
SPORTING GOODS DEALERS

BIKE®

THE BIKE WEB COMPANY
Division of The Kendall Company
309 West Jackson Blvd., Chicago 6, Illinois

thinks of a pass first whenever the end goes downfield alone or blocks on the line. Since we play defensive halfbacks within seven yards of the line of scrimmage, we feel that they can come up for the outside run fast enough after a slight delay to diagnose the play.

When the end blocks on the line or against a linebacker, we prefer to keep the defensive halfback ready for the pass until he sees the ball and the running play materialize. His reaction time will develop with experience. And the time it takes him to make the decision regarding the pass or the run will be reduced with continued practice.

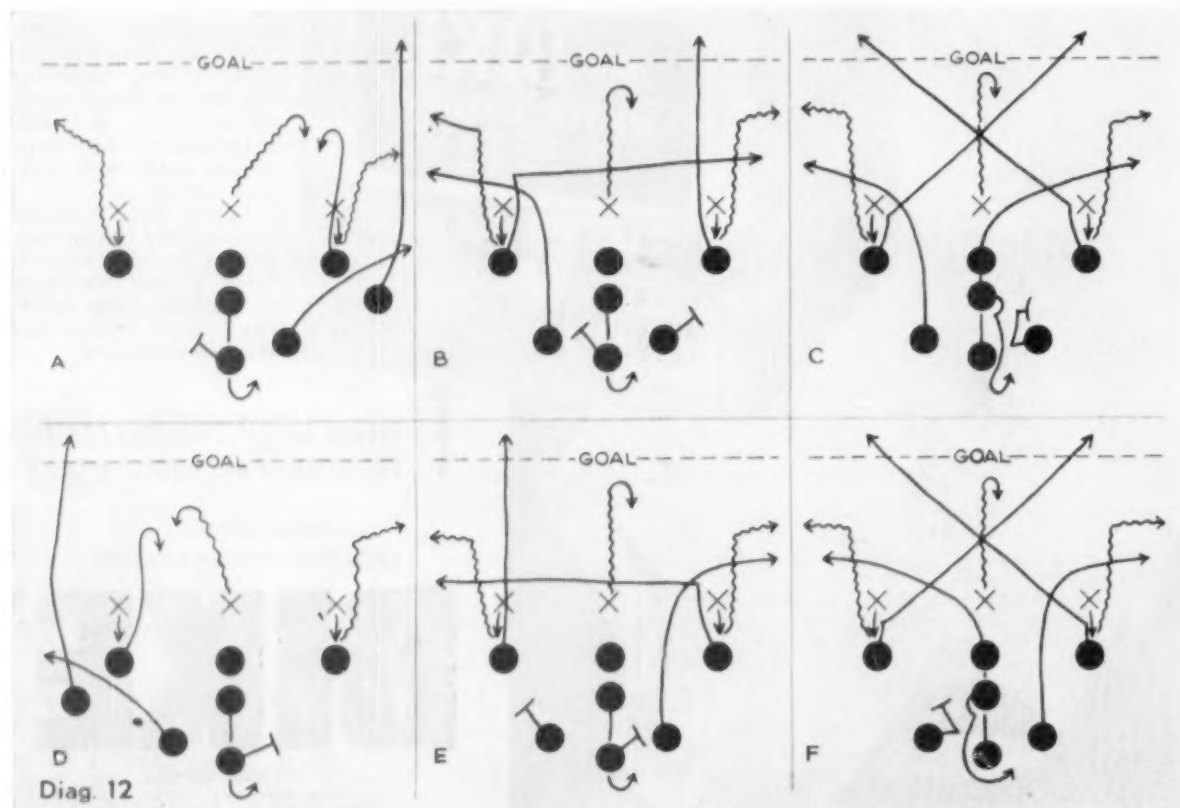
In the zone defense, the safety cues off the middle of the offense—the center, quarterback, fullback, and both guards. When using a basic five-man line defense, the guards serve as the safety's best cue against most of the offense, for they're the open men used as downfield blockers on running plays, the power blocker and trapper on trap plays, and frequently drop back for protection on the drop-back pass.

Since we don't use a zone defense against the running pass, we're concerned at this point with only the set or drop-back pass. Against a T, for example, where the fullback is used as a protecting back for the passer, the safety may cue off this member and then drop back immediately in the zone defense.

Diag. 10

Diag. 11

Protecting against the T or balanced formation (top) and against flanker or wingback alignment (bottom).



Backfield and end patterns which afford active drills for linebackers on the 10-yard line.

Get faster, safer batting practice with

Power Pitcher

**Fires 8
automatic
strikes a
minute!**



George Wolfman,
Baseball Coach,
University of
California,
shown with
his Power
Pitcher

LIGHTWEIGHT!

PORTABLE!

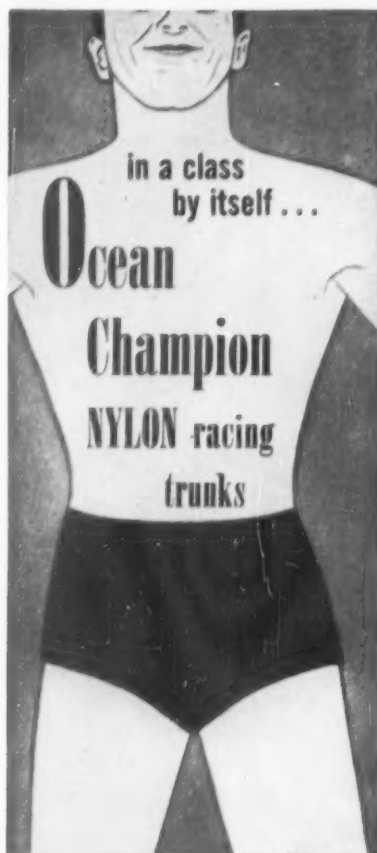
Power Pitcher hurls automatically with accuracy and controlled speed. Permits concentration on batting that otherwise would be too time-consuming. Every player gets all the practice he needs. Machine can be instantly adjusted to change of speed and to pitch across the plate, high, low, inside or out. Sends out-field flies or infield grounders.



Write for descriptive circular

POWER PITCHER DIVISION OF UP-RIGHT, INC.

Dept. 167, 1013 Pardee Street, Berkeley, Calif., Factories: Berkeley, Calif. & Teterboro, New Jersey, Offices in all Principal Cities



The most popular Nylon racing trunk in the country. Popular with swimmers and top teams because it's **5 ways better** . . . and popular with schools everywhere since its high quality features mean longer wear, **lower cost** in the long run. Let us **PROVE** to you that Ocean Champion is better . . . 5 ways better, and is the trunk for you!

ORDER NOW . . .
and compare!

Style No. 65
\$36.00 per doz.
Sizes: 22 to 38
Black • Royal • Scarlet
• Dartmouth Green
• Orange

SEND FOR CATALOG C
OF COMPLETE LINE



**OCEAN POOL
SUPPLY CO.**

America's headquarters for ALL
swimming and pool accessories

866 SIXTH AVENUE NEW YORK 1, N. Y.

In defensive drills, the safety may be questioned on every play: what did the guards do on the last play? the center? the quarterback? the full back? Concentration in this area develops the reaction of the safety to his many duties.

When the pass develops, we trust that our safety has started his backward move (as previously mentioned) with a workable knowledge of these principles:

1. Catch as soon as possible the beginning pattern of both ends and remain in the middle zone if both ends come deep and cross. Then react to the passer's arm to play the ball.

2. If one end breaks outside or across quickly, be ready to go with the other end who cuts across deep and through your zone, and yell "I got him!" And stay with him.

3. If both ends break down and out, remain at home in the middle zone and watch for delayed backs through the line that attempt to get deep down the middle.

4. When in doubt, remain in middle zone and maneuver to one side or the other only when the passer moves out to either side after a pass which develops in sequence with a running play. Examples of such passes may be seen in (h) and (i) in **Diag. 9**.

This diagram shows the standard patterns to practice against in developing the zone defense for the deep secondary members. The standard set-up with eligible receivers on offense and the three deep members on defense is indicated in (a). Four dummies may be placed 10 yards from the ball, parallel to the line of scrimmage, to indicate the deep areas in which offensive members may receive passes.

The areas in front of the bags are defended by linebackers in coordination with linemen who close off the passing lanes for the short pass. The quarterback has a maximum of four seconds to throw the ball in these drills, which is usually a second or so longer than he should have under game conditions.

Linebackers have shallow area responsibility for the most part. When linemen assume secondary pass defense assignments, they assume the same skills and responsibilities as the linebackers, since the basic defensive plan against the pass will always include six members, one of whom will be either a guard, tackle, or end.

The close secondary player (linebacker, or lineman involved in same responsibility) will follow these general instructions:

1. Against a straight T or balanced formation, a corner member will play eligible receivers head-on when possible, shiver that member with a forearm lift, drop back at about a 10° angle five or six yards deep, and then react directly toward the sideline, keeping eyes on the passer and watching with peripheral vision for receivers in his zone.

The center linebacker drops straight back seven or eight yards, always watching the passer, and reacts to the

ball when it is thrown. This is shown in **Diag 10** with a basic 5-3-2-1 alignment.

2. Against the flanker or wingback offense (**Diag. 11**), the on-side linebacker (to side of flanker) increases his backward angle, shortens it to about five yards, and reacts outside a little sooner than he would against the balanced formation. The off-side linebacker drops straight back and then out and back, looking for delayed receivers in his area.

It should be remembered that the halfback behind him will go with the end deep and across in a flanking situation with the flanker opposite; and this linebacker must be aware of the deep area until he can judge his reaction correctly to the halfback's call, "man across." (This phase of secondary coverage against the flanker offense will be taken up immediately after this presentation for linebackers.)

When the linebacker develops this sense of anticipation and what it means to him, he may shorten his drop-off distance and play *nearer* the line on his outside maneuver. The center linebacker drops off at about 10° in the direction of the flanker and reacts to the ball and the passer at all times.

3. Against the running pass from balanced or flanked formation, the linebackers react in an entirely different manner. This phase of the defense for linebackers will be discussed later on in the plans integrating linemen and secondary members.

There are, naturally, certain limitations for linebackers employing this type of pass defense. They are not in the best position to cover the end who cuts out immediately to the sideline nor can they cover deep receivers under normal circumstances. But they are in position or can get quickly in position, to cover crossing ends in the close areas, or hooking ends; and they can best cover backs in normal positions behind the line (not flankers) who break outside after first having moved through their own line, or backs who break quickly for an outside position without faking action into the line.

Such patterns should be shown to the offensive unit, including ends against whom the linebacker must deliver a shivering and delaying forearm thrust before moving from the line of scrimmage. Deep receivers should pass quickly through their areas in these practice patterns. Such action should soon develop proper reaction and responsibility in front of them, with the full realization that deep receivers aren't their immediate concern.

These patterns may be defended against most effectively, it is believed, if started at the ten-yard line with linebacker responsibility limited to the area in front of the goal line. As mentioned, these patterns should include deep receivers, ends for the most part, as the linebackers learn to develop concentration on the ball and receivers in front of them. Passers should be instructed to throw occa-

CUT BAT BREAKAGE

All-American
FIBRE-GLASS BAT KITS
"Do-It-Yourself"

50% to 75%

- ☆ **ECONOMY:**—Cut bat breakage 50-75%
Makes baseball and softball bat handles nearly unbreakable.
- ☆ **SAFETY:**—Build safely into your bats.
Safe, no-slip grip provided. No flying bat pieces due to bat breakage
- ☆ **OFFICIAL:**—Professionally approved. Stays within baseball rules.
- ☆ **FAST:**—Can be applied in less than 10 min. per bat.
Anyone can do it.



Each Fibre-Glass Kit Contains

- ☆ Resin
- ☆ Catalyst
- ☆ Fibre-Glass Ribbon
- ☆ Sand Paper
- ☆ Brush
- ☆ Medicine Dropper
- ☆ Cups and Stirrers
- ☆ Instructions

Covers 12" of Bat Handle
Easily Applied
Follow Simple Instructions with Each Kit

NOTE: Can be used to repair Rackets, Javelin Shafts, Hockey Sticks, etc.

"It Pays to Play the All-American Way"



1025 Chapala Street, Santa Barbara, Calif.
Phone WO 21805

Order thru your team distributor
or order direct

Fibre-Glass Bat Kit Order Form

Ship	Sets No. 1 Kit . . . (\$7.00 each) (Treats 6 Bats) wholesale
Ship	Sets No. 2 Kit . . . (\$12.00 each) (Treats 12 Bats) wholesale
Name	
Address	
City	State
F.O.B., Santa Barbara, California, or Forest Park, Illinois	

**BEST FLOOR I'VE
EVER PLAYED ON**



**ROBBINS IRONBOUND®
CONTINUOUS STRIP®
MAPLE FLOORS** keep
my boys in top
playing shape . . .
no sore leg muscles,
ankles or feet.
Robbins' controlled
resiliency assures
lively action,
keeps 'em playing
their best. It's the
flooring used in
the finest gyms
because of its better
playing surface,
permanent smooth-
ness, longer life
and lower mainte-
nance cost.

*T.M. Reg. U.S. Pat. Office.



MILLIONS
WALK DAILY
ON
ROBBINS
FLOORING

**ROBBINS FLOORING
COMPANY**

World's Largest Manufacturer of Maple Flooring
Red City, Michigan — Ishpeming, Michigan

sionally to deep receivers in the end zone in order for linebackers to develop reaction to those areas after the ball has been thrown. Reaction to the ball, the running of interference, and other fundamentals previously mentioned for the intercepted pass and thrown ball must never be ignored in any drill. Any of the drills presented earlier that include deep and short zone areas for receivers may be used in the development of this phase of pass defense.

The pass patterns in **Diag 12** may also be incorporated for this purpose. Patterns (a) and (d) are employed with flanker out for the purpose of having the on-side linebacker call out "flanker left" or "flanker right." He must convey this information loudly to the team. The linebacker's angle of drop-off is increased with the flanker maneuver, toward the flanker, as previously explained.

The patterns in (b) and (e) should develop reaction in the short zone to the crossing end as well as to the halfback who moves to the flat zone quickly.

The (e) and (f) patterns show two backs breaking into the short zones following a fullback fake up the middle.

The defenders must learn to ignore the deep receivers in all six patterns; concentrate heavily upon the forearm shiver against the end in passing situations, without wrestling with him or restraining him illegally, before maneuvering backward to respective zones; and playing the passer and the ball at all times while picking up receivers with peripheral vision.

Deep secondary development against the flankered offense.

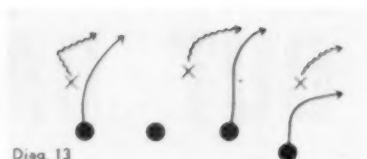
One of the important aspects remaining in team pass defense is that relating to deep secondary members and the change in their assignments against the flankered, or wingback, offense.

A combination zone and man-to-man defense is employed against a flankered offense. And deep secondary assignments, basically speaking, are changed in this manner:

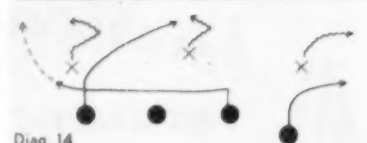
1. Safety and half back to the side of the flanker compensate by moving laterally a distance not to exceed three yards.

2. Both members then cue from the end and flanker on that side, with the defensive halfback taking the quick man outside and the safety taking the deep man outside or through his center zone. When one of these two offensive members break quickly to the opposite side, the halfback and safety should call "man across"; and the one not occupied with the remaining member stays in his zone, watching for receivers from the opposite side breaking into his zone. When both receivers break deep, it's hoped that both defensive members, properly maneuvering in their respective zones, will be able to take the receiver breaking into their zone.

3. The off-side halfback plays the end (away from flanker) man-to-man unless: (a) he breaks quickly to



Diag 13



Diag 14



Diag 15



Diag 16

Deep secondary vs. flankered attack.

the opposite side, in which situation the halfback calls "man across" and then concentrates on picking up a deep receiver crossing into his zone; (b) the safety calls "I got him" when the end breaks through the safety's zone, in which case the halfback holds up quickly and remains in his zone for a possible pick up.

This is a type of checking defense which is effective if the deep secondary will maneuver to deep positions for picking up receivers involved in crossing patterns. It's absolutely essential for them to call out "man across" and "I got him" loud enough to be heard all over the field.

Failure to maneuver laterally and backward, however, will permit receivers to get behind them for the easy score. As long as the deep secondary maneuver properly for depth, they can keep the play in front of them and if anything is given, or permitted, it won't be a touchdown.

Only patterns to one side are shown in **Diags. 13-16** for purposes of illustration. These are simple, basic patterns to develop the fundamentals as set forth above. Exact patterns to the opposite side should be presented, however, if the defense is to be adequately prepared for the flanker offense.

The simplest pattern for learning the principles is presented in **Diag. 13**. The off-side halfback maneuvers more deeply than he does in zone defense, where he gains both depth and outside position; the safety picks up the end who goes deep and then out; the on-side halfback takes the flanker who breaks quickly outside; and the off-side halfback plays his end man-to-man all the way.

In **Diag. 14**, the only pattern change

is for the right end who crosses quickly. The safety calls out "man across" and remains in his zone. Having noticed the flanked back being covered by the halfback, he can then concentrate on a break from the weak side, and as soon as he sees the opposite end breaking into his zone he calls out "I got him," thus permitting the off-side defensive halfback to recover for a possible break deep and outside by the crossing end from the strong side.

In **Diag. 15**, the safety and halfback assigned to the flanker side must be able to pick up the receiver breaking into his zone. This isn't as difficult as it might appear provided they do not remain stationary but maneuver backward in proper position, both going as deep as the deep receiver until one calls out "I got him." The other defender then reacts to the man breaking into his zone. The off-side halfback has no choice but to play man-to-man.

The only change in these patterns is indicated in **Diag. 16**, where the off-side end breaks across quickly. The off-side halfback, after calling "man across," may lend assistance to the safety since he'll be concentrating on the move from the opposite side.

If one may visualize for a moment the role played by the three close secondary members against these patterns, it will be possible to understand how certain personal weaknesses among the deep defensive backs may be compensated for.

In **Diag. 13**, for example, the weak-side end may outmaneuver the defensive halfback momentarily. But do not forget that the middle linebacker may be eight or ten yards deep at this instant and directly in line with the pass to the end.

This same defensive member could be just as effective against the middle pass in **Diag. 14**, while the off-side linebacker would be in position for the sharp pass to the crossing end close to the line of scrimmage.

The safety's recovery back to the center zone in **Diag. 15** could be rather slow, and the middle linebacker could possibly be stationed in an effective position here until such recovery by the safety is effected.

This would also be true in **Diag. 16** insofar as the safety and middle linebacker are concerned. And the linebacker to the side of the flanker would be able to pick up the delayed receiver, the crossing end, in his zone.

Integration of linemen with secondary.

The integration of linemen in the pass defense was covered at the original orientation squad meeting and practice. The most important elements were presented at that time and included the pertinent points with special reference to the set pass.

Further integration of a specialized nature is now ready to be presented. Such coordination involves ends, linebackers, and halfbacks in a specialized defensive maneuver against one of the most potent threats in modern

(Continued on page 37)

27 Grid Stars Burned by Markings On Yard Lines
(Actual headline from Detroit newspaper)

Line Markings Cause Burns to School Athletes
(Actual headline from Boston newspaper)

DON'T LET THIS HAPPEN TO YOU...

Play Safe with **ASP SAFEMARK**

End forever your concern over painful injuries and costly liabilities caused by old-fashioned line-marking materials.

An Entirely New But Thoroughly Field Tested Material—

Standardize on ASP Safemark, the new, modern way to put down clean, bright, white lines for every type of athletic event.

USED BY: UNIVERSITY OF GEORGIA
THE DETROIT LIONS

YOU GET SEVEN BIG ADVANTAGES WITH ASP SAFEMARK:

- 1 It is a pure, sterile, inert powder.
- 2 It gives clean, bright, white lines.
- 3 It can be applied wet or dry, with conventional equipment.
- 4 Mixes rapidly with water—almost no stirring.
- 5 It will not burn the turf.
- 6 It does not build up into ridges.
- 7 It automatically disappears in a reasonable time.

Set the pace for added safety in your sports program by acting now on our generous trial offer. Use the coupon today.



..... **50 LB. BAG FREE. Use the coupon.**

EDGAR PRODUCTS from...

MINERALS & CHEMICALS CORPORATION OF AMERICA

49 ESSEX TURNPIKE, MENLO PARK, N. J.



Serving Sports Programs from Warehouse Stocks in 28 Cities

MINERALS & CHEMICALS CORPORATION OF AMERICA
49 Essex Turnpike, Menlo Park, N. J.

- ☐ Tell me why U. of Georgia, Detroit's Briggs Stadium and others prefer ASP Safemark
- ☐ Send me name of nearest distributor where I can get my free 50-lb. bag of ASP Safemark

name _____ title _____
school _____
address _____
city _____ zone _____ state _____



**An Opportunity
for All Patriotic
Americans
to Help**

During this, our 150th Anniversary Year, we of Colgate-Palmolive feel particularly fortunate in joining with you—the American public—in doing our bit to help send the U. S. Olympic Team to Australia to participate in the 1956 Olympic Games.

The U. S. Olympic Committee must select, organize and equip our best amateur athletes. All items of direct expense must be paid for by sports-loving Americans because there is no subsidy or other financial assistance available from any branch of government. America relies entirely on each citizen's contributions and self-sacrifice . . . because that's the way a democracy works.

Every generous-hearted American who desires to see the Olympic Games tradition perpetuated will want to help. That is why, with the sanction and co-operation of the U. S. Olympic Committee, we invite you to participate in this unique and personally rewarding fund-raising effort.

W. L. Sims

President, COLGATE-PALMOLIVE COMPANY



You Can Send the U.S. to Australia—

Now! THE FIRST 1,000,000 BOX TOPS AND WRAPPERS from Colgate-Palmolive Soaps, Detergents and Toiletries WORTH 10¢ EACH TO OUR OLYMPIC TEAM!

Yes! The first million box tops and sets of wrappers from your purchases of Colgate-Palmolive products illustrated below—turned in between now and July 15, 1956—will directly benefit the U. S. Olympic Team. And—for this reason: The Colgate-Palmolive Company will

pay the U. S. Olympic Committee ten cents in cash for each such box top or set of 3 soap wrappers which you turn in on or before July 15, 1956. The money will be used by the U. S. Olympic Committee to help defray the expenses of our Team.

Start Turning Them In NOW! HERE'S HOW!

Many dealers provide a special receptacle where you can deposit your Colgate-Palmolive box tops and wrappers in the required quantities as outlined below. Others will be glad to accept and turn over to a Colgate representative. Or, if you prefer, send direct to OLYMPIC FUND, P. O. Box 84-C, Mt. Vernon 10, N.Y.

Box tops and wrappers accompanying entries in the Olympic Contest will be counted toward the 1,000,000 box tops and wrappers

that will be redeemed. So, if you wish to compete for big prizes and at the same time contribute your box tops and wrappers to the Olympic Fund, see details of the BIG OLYMPIC CONTEST described on next page.

But—whether or not you enter the Contest—the first million box tops and sets of wrappers from the following products will be redeemed at the rate of 10¢ each IN CASH and turned over to the Olympic Committee.

PALMOLIVE SOAP (3 Wrappers)	FAB (1 Box Top)	VEL (1 Box Top)
COLGATE DENTAL CREAM (Both Carton End-Flaps)	HALO SHAMPOO (Both Carton End-Flaps)	AJAX (Part of Label)
VETO CREAM DEODORANT (Both Carton End-Flaps)	CASHMERE BOUQUET TALC (Sales Slip)	PALMOLIVE RAPID-SHAVE (Sales Slip)
CASHMERE BOUQUET SOAP (3 Wrappers)	AD (1 Box Top)	PALMOLIVE SHAVE CREAM (Both Carton End-Flaps)



NEW EQUIPMENT

For full details on any or all of these products, check the respective listings under "NEW EQUIPMENT" in the master coupon on page 63.



• **MEGAPHONE.** An exclusive all-transistor circuit assures a longer, more useful life for Guest Thunderbird megaphone. Light, compact, and responds instantly when switch is pressed down.



• **EMERGENCY SPLINT.** Orthopedic Frame Co.'s recently developed lightweight Stryker Splint can be applied by anyone in seconds! Combines shaped aluminum half sections with built-in padding and traction plus three web straps. Safe, comfortable, ultimate in first aid.



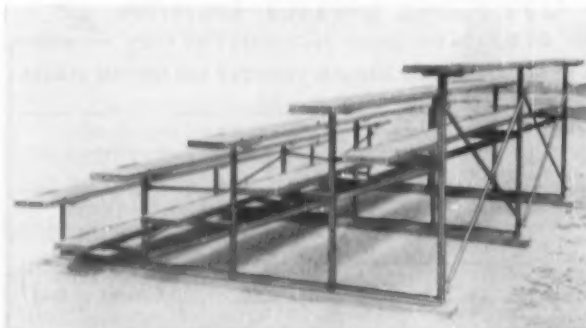
• **TENNIS RACKET.** MacGregor's "Professional" embodies a blue fibre-banded throat with tough white fibre full horseshoe overlay. High quality, medium price.



• **SCIENTIFIC BAT.** Maroth Engineering Co.'s revolutionary batting trainer embodies a flush-mounted precision-engineered gauge imbedded in tip of standard bat. Calibrated in miles-per-hour, it's activated by batter's swing and gives an immediate reading—enabling coach to analyze swing. Slight pressure on re-set button returns indicator. Self-lubricating parts eliminate need of maintenance.

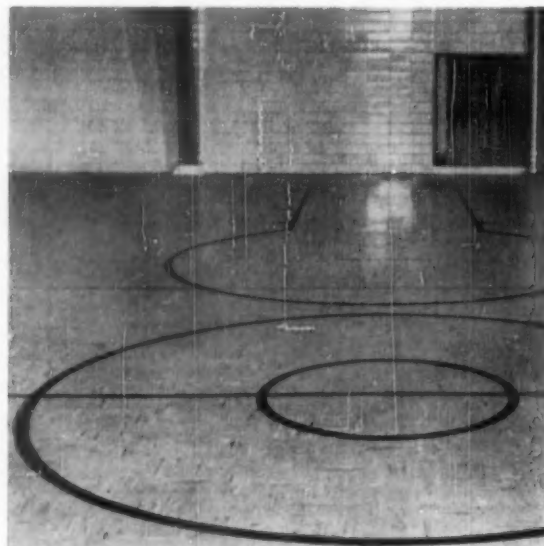



• **FOOTBALL.** Wilson's new TD ball presents maximum in feel, water repellency and shape control. Unique natural cover offers an all-leather friction feel good for life of ball. Best there is.



• **STEEL BLEACHERS.** Safway Steel Products' new low-cost steel bleachers (suitable indoors or out) have a welded steel angle framework and are skid-mounted. Comes in standard sections of 5 or 10 rows deep and lengths in multiples of 6 ft. Offers maximum safety, vision, comfort; easily assembled or dismantled by unskilled labor.


• **FLOOR POLISH.** Hillyard Chemical Co.'s Super Hilco Lustre offers an extra measure of slip-resistance without sacrificing hard-wearing qualities. Easy to maintain, its velvety glow smoothness is unequalled and its long-wearing film is highly water resistant.





**THESE ARE THE
Rubber-Covered Footballs
NOW APPROVED BY**

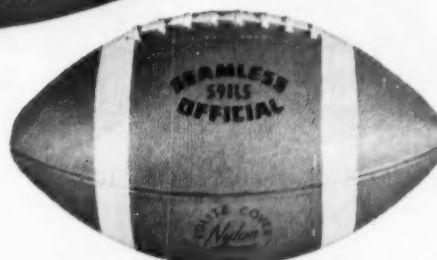
**N. C. A. A.
and
N. F. S. H. S. A. A.**



591-S by SEAMLESS
with cross-grain molded
lacing for positive grip.

**NO OTHER FOOTBALL...
HAS ALL THESE OUTSTANDING ADVANTAGES:**

- **Waterproof, Scuff-Proof KOLITE Cover** for surer grip and better passing on wet or dry fields.
- **Nylon Winding** holds true shape and insures longer life. It takes the kicks.
- **Butyl Bladder** assures maximum air retention.
- **Patented KANTLEEK Valve** is self-sealing, absolutely leak-proof.
- **Inspected for Perfection** before they can wear the SEAMLESS label.



591-LS by SEAMLESS with raised leather lacing.

**Do You Have
the Latest Rule Changes?**

Important rule changes officially sanctioning the use of the 591-S and 591-LS were recently approved by N.C.A.A. and N.F.S.H.S.A.A. Write for your copy.

ALSO APPROVED BY N.C.A.A.

691-L—Similar to 591-LS without white stripes.

691—Similar to 591-S without white stripes.



ATHLETIC GOODS DIVISION

**THE SEAMLESS
RUBBER COMPANY**

NEW HAVEN 3, CONN., U. S. A.

Great Names in the World Of Sports



At the plate or on the tee, if it's made by H & B your team members know they are playing with the finest equipment experience and know-how can produce—72 years of it. Send for free color catalogs for ready reference in purchasing from your dealer.

HILLERICH & BRADSBY CO., LOUISVILLE, KENTUCKY, DEPT. SC-6

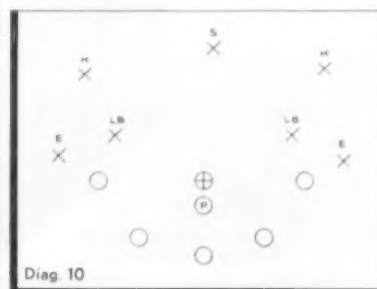
Combination Drills

(Continued from page 20)

the necessary yardage, wherein the defensive team takes possession. Two of the three plays must be passes and the running plays must hit outside of tackle.

This scrimmage encompasses all offensive and defensive team fundamentals with the exception of those involving close line blocking. It's especially valuable as a passing drill, but also stresses other phases of coordinated teamwork. Injuries aren't likely because of the minimum of rushing plays.

It's possible to control contact and use this drill as a touch tackle scrimmage even the day before a game. The secondary defenses may be varied to afford beneficial practice to both the offensive and defensive units.



We also use a "flash card" drill with the same 7-against-7 alignment for the purpose of looking over our coming opponent's pass plays. These patterns are taken from scouting reports and are copied on large cardboard sheets. The cards are flashed in the offensive huddle and the plays are run time and time again against every defensive man on the squad.

This insures game-condition familiarity with all pass patterns. We've frequently added some of these plays to our own repertoire, particularly the ones we've found difficult to cover.

In considering the value of these multi-purpose drills, the question may arise as to whether the time allotted to them is justified in the over-all practice plan. This may be answered by citing the estimation of prominent coaches that 75% of our games are decided by the forward pass. If these statistics are valid, we certainly can't afford to neglect the passing game and its defense in the daily practice schedule.

Protect those eyes with . . .

ALL AMERICAN*
ATHLETIC GLASSES

Designed for
rough treatment



Consult your eye doctor for further information

Since 1913

Benson
OPTICAL COMPANY

LABORATORIES
IN LEADING UPPER MIDWEST CITIES

*Pat. Pend.

Executive Offices - Minneapolis, Minn.

Pass Defense

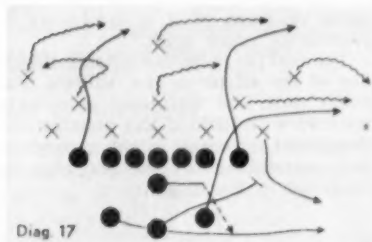
(Continued from page 31)

football, the running pass. Defending the running pass as such is a comparatively simple matter. But the running pass, when properly executed, carries the option of the pass or run and exerts the greatest pressure against the halfbacks and safety, and the linemen and linebackers involved in reducing the play's effectiveness.

The principle of defense is one of containment at the scrimmage line and proper rotation in the secondary. Even when this principle is effectively executed, there's little assurance that the play will fail. But its potential can be reduced, we believe, by eliminating the option of the run.

The containment portion of the principle revolves around the automatic exchange of duties between the end and linebacker. Or between the end and one other defensive member in position to contain the passer if the end is unable to do so. The objective of this phase is to keep the passer inside, preventing his option of a pass or run from the outside position.

If the passer is kept inside, the running option is reduced considerably. The recovery to the ball by linemen is quicker, and defensive pressure from the off-side linemen, especially the end, forces the pass or run before the offense is ready for it. Where the passer fails to have outside position, the secondary members are in better position to cover receivers, since the dual responsibility no longer exists.



Rotation against running pass when end contains.

The rotation portion of the principle (Diag. 17) permits the on-side linebacker to play the flat zone near the scrimmage line, provided the end has been successful in containing the passer. The on-side halfback can then remain at a median depth, while the safety may rotate quickly to the area behind this halfback.

The off-side halfback must go with the off-side end if the latter's course takes him through the zone vacated by the safety. Delayed receivers in the area vacated by the off-side halfback are specifically the responsibility of the off-side linebacker.

THE ONLY HIGH SCHOOL FOOTBALL INSURANCE FOR \$6.00

It pays all expenses from the first penny up to \$250.00
OR
\$2500.00 COVERAGE FOR \$8.00 (plus \$1.25 basic premium)

Junior High School Students Covered for all
Sports, Including Tackle Football For \$1.25

STERLING INSURANCE COMPANY

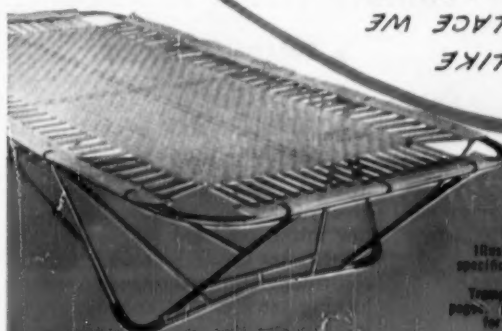
4554 Broadway—Chicago, Illinois

Phone Longbeach 1-1250



NO DOUBT
ABOUT IT! MORE
BOUNCE... PLENTY
OF ROOM... BUILT
TO REALLY LAST! FROM
WHAT I HEAR, IF IT
ISN'T A NISSEN
IT ISN'T A TRAMPOLINE

SEEMS LIKE
EVERY PLACE WE
LAND, THERE'S A
NISSEN
TRAMPOLINE!



FREE!

NEW NISSEN CATALOG
Illustrations, descriptions,
specifications and prices for
every style Nissen
Trampoline. 16 colorful
pages. Mail coupon today
for your FREE copy.

**NISSEN
TRAMPOLINES***



More than
6,000 NISSEN
TRAMPOLINES
Now in use

*Reg. U. S. Pat. Off.

NISSEN TRAMPOLINE COMPANY
200 A Avenue, N. W.
Cedar Rapids, Iowa

Please rush FREE copy of new 16-page catalog.

NAME

REPRESENTING

ADDRESS

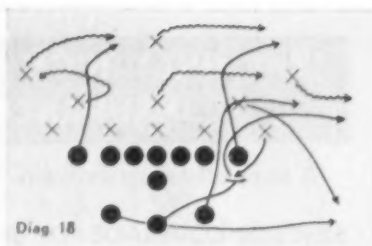
CITY

STATE

If the passer is successfully contained by the end, the rotation is as illustrated in **Diag. 17**—which shows a five-man alignment against the running pass from the T.

Containment forces the passer's hand a little sooner by either forcing the run inside where team pursuit is most effective, or by hurrying the pass from a deeper, more unfavorable position. To be tackled high from the rear in this position isn't always conducive to accuracy in subsequent situations.

In the event the end is caught inside on a running pass, there must be an automatic exchange of duties between the end and the linebacker (**Diag. 18**). The latter must come across without hesitation to prevent the passer from gaining an outside position.



Diag 18

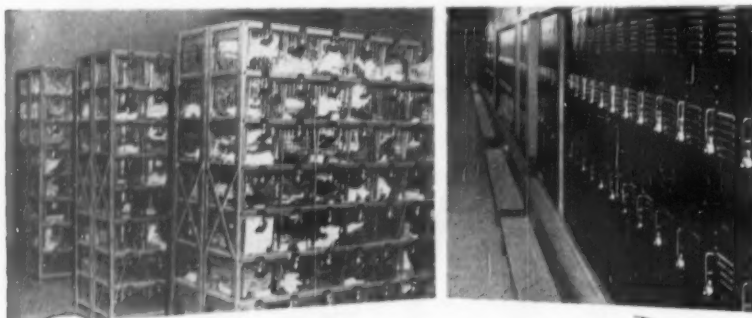
Rotation against the running pass when the linebacker contains.

The end must then recover inside and back in an effort to cover the flat zone vacated by the linebacker. This slight delay will keep the on-side halfback nearer the scrimmage line and increase the defensive burden

in both his area and the area behind him covered by the safety.

This alternate method of containment isn't as adaptable or effective as containment by the end. But it should help reduce the option of the pass or run situation. Without an alternate plan involving containment by another team member, the offense is likely to use this weapon most successfully. You must expect the end to be caught inside occasionally.

If the end is employed as a container on all plays to his side, a 5-2-2-2 defense (**Diag. 19**) may prove more effective in coping with the running pass, especially against the Split T. Such a defense, using a double safety, has a player in better position to cover the deep end behind the on-side defensive halfback and offers better coverage against the weak-side end breaking through the safety's area or to the on-side halfback's area.



"Solves our locker room problem...
My Control Key opens every padlock."

Master

NO. 1525
COMBINATION PADLOCK

- ▶ DURABLE • LOW COST
- ▶ KEY CONTROLLED
- ▶ STAINLESS STEEL CASE CONSTRUCTION

Master Combination Padlocks give you 2-way budget relief—low initial cost and long-lasting, trouble-free service! Double wall construction . . . hardened steel locking latch . . . automatic re-locking mechanism . . . and other security features.



MASTER NO. 1525
KEY CONTROLLED
2 YEAR GUARANTEE



MASTER NO. 1500
Same design and construction as No. 1525 . . . but without key control. Full two-year guarantee.

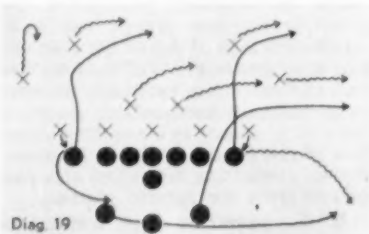
Builders of the World Famous
Master Laminated Padlocks

Master Padlocks

Favorite of America's Coaches

Master Lock Company, Milwaukee 45, Wis.

World's Largest Padlock Manufacturers



Diag 19

Containment and rotation with a 5-2-2-2 defense.

Rotation becomes a simpler matter, although the passer may gain a better position outside before pressure is brought to bear on him. And pressure from the opposite defensive end is practically negligible when end play of this type is employed. This defensive alignment against the Split T or some variation of it is increasing in popularity every year.

The end plays on the outside shoulder of the offensive end, shivers him every time, and maintains an outside position with little if any penetration. Suggested coverage in the secondary and containment by the end may be observed in the diagram.

THIS is the second of a series of three articles extensively detailing the development of a pass defense: (1) proper footwork in maneuvering, (2) progress to smaller groups, (3) two groups working separately against standard pass patterns, (4) combining linebackers and deep secondary against added patterns with flankers, split ends, etc., (5) coordination of line and secondary in pass defense, and (6) special defenses for goal line and other special situations. The final installment next month will embrace points 5 and 6.

Baseball and Brotherhood

(Continued from page 5)

Monte Irvin, Larry Doby, Don Newcombe, and Minoso are a few of the colored players who have blazed the trail.

Their actions on and off the field have led to their acceptance, and their teammates have welcomed them to the baseball family. In fact, some of these mates, who grew up on ground sown with prejudice, have received a healthy education in the field of race relations and have expressed their thankfulness for it.

Baseball is one of our most exportable commodities—it has a common language which is understood in Japan, Nicaragua, the Philippines, Canada, and Lebanon. In fact, when the American occupation troops entered Japan after World War II, the American officers searched out the Japanese who had been active in baseball before the war. Their common interest in baseball made it possible to set up an effective liaison with these people.

To give you an idea about this interest in other lands, I would like to quote from an article by Carlos Romulo, first president of the General Assembly of the United Nations: "My love for baseball is shared by every Filipino. We hope to see the sport developed to the fullest potential when our ruined cities are reconstructed and our national economy rehabilitated."

AGE OF INNOCENCE

There's little doubt that children must be taught to misunderstand. Left to their own judgment, they have no religious prejudices or color barriers. In the Little League program for boys under 13 years of age, there's ample evidence that this is true. A boy in a Pennsylvania town walked into his church, lit a candle, and prayed to the Blessed Virgin that B'nai Brith would beat the Knights of Columbus in their next Little League game.

The democratic process of selection of players in this league had Jewish boys playing on a Catholic-sponsored team, Catholic boys playing on a Protestant-sponsored team; and Protestant boys playing on a Jewish-sponsored team, and vice versa.

In a New York community, the boys in the league voted for a Negro

coach as the man who had contributed most to their welfare—and there wasn't a Negro boy in the league!

Mr. Romulo refers to Little League as a miniature United Nations, with boys of Chinese, Italian, Mexican, Negro, and Russian parentage participating on teams in a single league.

While there are some areas of society to which we cannot point with pride, where brotherhood is concerned, baseball can take a bow. Here it's no idle dream. It's a working reality.

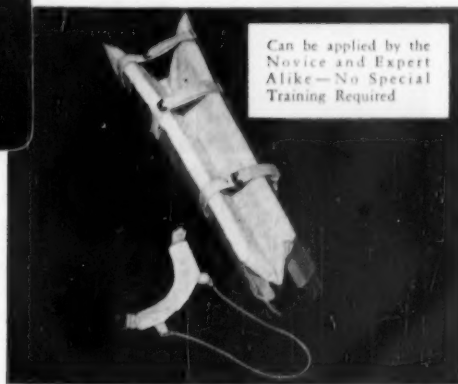
Certainly, the sports scene has its shortcomings. But when the Great Emancipator looks down from his Valhalla and sees men and boys of many origins and races playing and working together in a spirit of friendship, mutual respect, and common purpose, he knows that his mission is being fulfilled on the playing field.

"On the fields of friendly strife are sown the seeds . . ."

The

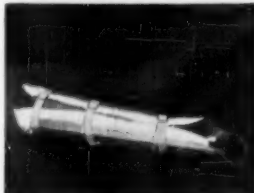
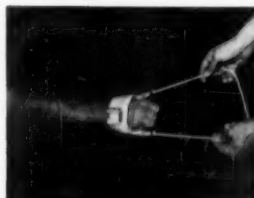
Stryker

EMERGENCY SPLINT



Can be applied by the Novice and Expert Alike—No Special Training Required

... Now, for the First Time in the History of First Aid — A Comfortable EMERGENCY SPLINT *



The Stryker Emergency Splint combines shaped aluminum half sections with built-in padding and traction to completely immobilize the limb. The patient can then be handled with comfort. Moderate, uniform compression controls bleeding and swelling. X-rays can be taken without removing the splint, allowing the fracture to be set immediately.

Hospital Ambulances • Industrial Plants • Rescue Squads
Public Schools • Athletic Departments • Ambulance Services
Funeral Directors • Camps and Resorts
Transportation Companies.

PRICES

No. 60 Stryker Emergency Splint, 36" (Adult leg) \$33.00
No. 65 Stryker Emergency Splint, 30" (Adult arm,
Child leg and arm) 28.00
No. 6065 Stryker Emergency Splint, pair in protective cover 59.00

Orthopedic Frame Co. Dept. SC
420 Alcott Ave., Kalamazoo, Michigan

☐ Send me No. 80
No. 65 Stryker Emergency Splints
No. 6065

Bill the address below.
☐ Please send me additional information.

Name _____
Address _____
City _____ State _____

* Patented

Orthopedic

ORTHOPEDIC FRAME CO.

Kalamazoo Michigan

Distributed in Canada by: Fisher & Surpe, Ltd., Winnipeg
Exclusive Agent for Export: Schuler & Co., 75 Cliff St., N. Y.

Reducing Knee Injuries By Proper Ankle Strapping

By JOSEPH DOLLER, Trainer, Chicago Cardinals-Loyola U.



THE KNEE is the well-known scourge of football injuries, and constitutes one of the prime headaches of those responsible for the well-being of athletes. Though rule changes, superior equipment, and improved techniques have reduced the rate of injury incidence, we still must constantly try to further reduce or, better yet, prevent injury.

When one investigates the structure of the knee joint, it's easy to understand why it's so susceptible to injury. The knee is an extremely movable, hinged type joint of complicated character. We can do just about everything with it except extend it backward beyond a straight line. Though outward bending is somewhat limited, inward bending at a slight angle opens a great range of motion.

When an impact is directed at the leg, the knee, being the middle joint, acts as the hinge and yields to the force of the impact. Most impacts are directed from the outside inward, so that the knee, giving with the force, is directed inward. If the force drives the knee beyond its normal range of motion, injury takes place.

Aiding the knee in its basic movements are the hip joint (above) and the ankle joint (below). The hip joint, which isn't often injured, is rarely strapped for protection. The ankle joint, being very susceptible to injury, is commonly strapped; and, if improperly applied, the strapping can interfere with knee action.

Whenever the improperly trapped ankle joint cannot synchronize with the knee in carrying out its motion,

NO. 1: Start on front of leg about one-third distance above ankle bones. Bring tape obliquely downward at angle away from leg. Carry tape behind heel tendon, then continue around and under foot to opposite side. Continue upward in similar oblique angle and anchor just below starting point.

NO. 2: Same procedure as before, except that tape is directed down opposite side of leg and ankle.

NO. 3: Combination of two preceding steps. Note that strips form X at instep, at tendon in back of ankle, and also on bottom of foot.

NO. 4: One or two vertical strips are applied this way. Strip is started on inside of leg at point level with origin of

previous strips, and is directed down around bottom of heel and continued up leg on opposite side.

NO. 5: Consists of three overlapping strips. First strip is started at bottom, with third strip just covering ankle bones.

NO. 6: Next strip resembles figure 8, but doesn't encircle tendon in back of ankle—which must be kept free of constricting encirclement.

NO. 7: Finished product. Encircling strips start at region of instep and continue up ankle and leg, anchoring at No. 1's origin. Strips are applied snugly but not too tight. Purpose is merely to hold other strips in place, discourage formation of wrinkles, and give strapping dressed-up appearance.



the knee joint will bear undue stress and become highly susceptible to injury.

During the 1951 season, the Chicago Cardinals became extremely concerned with the number and severity of knee injuries being sustained. A consultation was held with many physicians, trainers, chiropractors, and anatomy texts to devise an adhesive strapping for the ankle that would reduce the incidence of knee injuries.

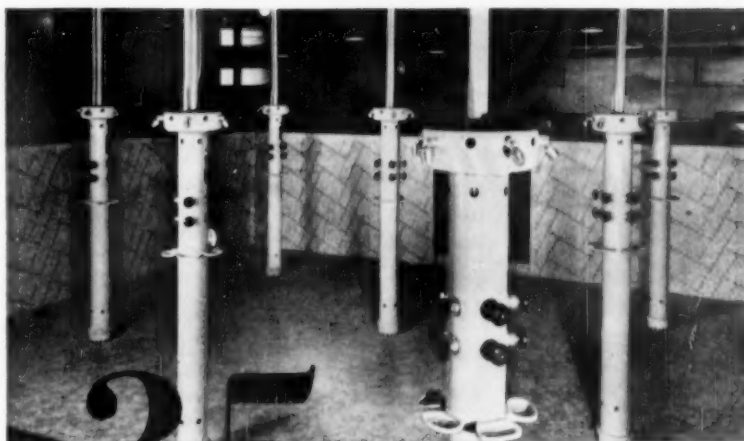
The ankle strapping described herein was the fruit of this work, and the end results have been most gratifying. The past four seasons have produced but one knee injury necessitating surgery and not one knee injury that kept a player out of more than three successive weeks of play!

Each of our 33 men is strapped in the prescribed manner, though a slight variation might be put in here and there to accommodate some physical characteristic. No player is permitted to engage in contact work without this preliminary ankle strapping.

Inasmuch as adhesive tape can prove an expensive item, we bore that in mind when devising this technique. As you can see in the illustrations, a most adequate strapping can be accomplished with a minimum amount of adhesive tape.

The pictures show the seven basic steps in applying the strapping. In the interests of clarity, each strip of tape is applied on a clean ankle. In actual practice, of course, the preceding strips would remain in place as the next strip is applied. The first two steps are the most important as they constitute the base for the strapping. Size 1½" tape is used throughout.

In applying a strapping of any kind, trainers should make sure it's neither too loose nor too tight. While the loose strapping may merely prove inadequate, the overly tight or constricting strapping might well be the factor leading to a knee injury.



35 SHOWER AT ONE TIME

Burgess H. S., E. El Paso, Texas

Partially enclosed by means of a five-foot tile wall, seven Bradley Column Showers serve 35 simultaneously (5 at each). Since each serves five, the piping connections required for Bradley Showers are only one-third the number needed for conventional showers. Floor space also is saved, and installation time and costs reduced.

Some schools and institutions prefer these open Column Showers for the men and boys, but use Bradley Group Showers for the girls with partitions separating the stalls, and curtains. 5-, 3- and 2-stall showers are available. Write for your copy of Cat. 5601.



5-Stall Bradley Circular Shower
with partitions and curtains.

BRADLEY WASHFOUNTAIN CO.

2281 W. Michigan St.
Milwaukee 1, Wis.



Cat. 5601.
Copy on request.

BRADLEY
multi-stall showers

Distributed Through Plumbing Wholesalers



SALES UP...PRODUCTION UP...and PRICES ARE
D - O - W - N

—on "TUFFIE" S-T NYLON CLEATS!



WRIGHT
FOR
SAMPLES



That's right, demand for this new steel tipped nylon cleat has been so great from coaches across the country that we have expanded our production and that means lower prices to you. If you are not using "Tuffie" already, you will want to investigate this new cleat. Lower over-all cost, added safety and peak performance make "Tuffie" the coach's best buy!

"Tuffie" outlives the shoe—that's a fact!

Order through your dealer.

WRIGHT PRODUCTS COMPANY
BOX 72, DEPT. E-2 • ADDISON, MICHIGAN



**Makes Foot Baths and
other methods obsolete!**

AND PEOPLE LIKE TO USE SANI-MIST, because it "refreshes" their feet. It's so clean and sanitary . . . as personal as your own toothbrush. Kills athlete's foot fungi in 30 seconds with no chance of dilution or contamination.

You buy only the Sani-Mist Solution, the spray dispenser is leased at no charge for as long as you use Sani-Mist. Write today for the name of your Sani-Mist dealer.

SANI-MIST INC.
Dept. S • 1724 Chestnut St.
Philadelphia 3, Penna.

Revolutionary Racehorse Football

(Continued from page 7)

poise, and both their pursuit and gang-tackling drop off.

We deliberately attempt to destroy any team thinking that they have. We think of them not as a team but as 11 individuals. We feel that if we can weaken just one individual by our relentless force, we're going to hurt their team effort.

No matter how much an opponent is warned to be on the alert and get ready, he'll be caught relaxing at times. And that's fatal against Racehorse. You can't relax, you can't take a breather, you can't dog it on any play. The Racehorse will run over you and be gone before you know it.

An enormous amount of team preparation is required against Racehorse. Psychological preparation is just as important as technical readiness, and this is a dangerous and exhausting chore.

Team preparation is further complicated by the fact that it's tough to scout a Racehorse team (because of the speed with which the plays are run) and to have a group simulate the Racehorse team against your varsity.

Your opponents thus have trouble getting enough simulated game preparation. And this is vitally important; for it's not enough to prepare just mentally against an offense. Physical and psychological preparation is just as essential.

The fact that most defenses allow short yardage plays right into the hands of the Racehorse offense. For it's geared to go the hard way. This becomes discouraging to the defense: To know that the offense is

prepared to exploit the slightest vulnerability in their alignment. And the overpowering manner in which Racehorse does it is even more demoralizing.

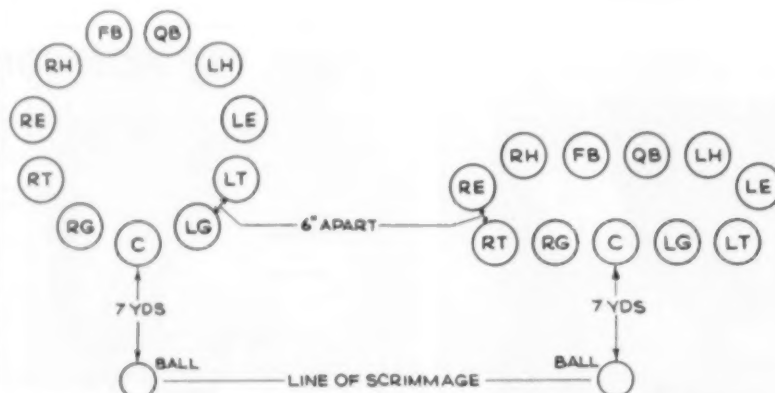
Though equipped and prepared to go the hard way, the Racehorse mode of operation also fosters the long gainer. Its running plays and blocking at the point of attack, its passes, and its faking cause indecision on the part of the opponents. We watch that halfback who's just made a tackle on a running play. A running pass play will often catch him relaxing and give us that long gainer.

While we want the long gainer, we know we must first build up the situation for it. Our blocking (which will be explained later on) is designed for both short yardage and long yardage opportunities. And since we're able to utilize different backfield alignments with different line alignments, we make it almost impossible for the opponents to defend us properly. How can they pick these things up as the game progresses when we don't give them any time to get set for a real look?

The element of surprise is another tremendous psychological weapon of Racehorse Football. Even after scoring a TD, we kick the extra point Racehorse style and sprint up the field ready to kick off immediately. Here again we exploit the element of surprise with different techniques in our kickoff operation.

METHOD OF OPERATION

Either the circle or closed huddle is most advantageous for Racehorse Football. We never want our



Either the circle or closed huddle is recommended for Racehorse game.

"young" boys to see the faces of those "big" opposing linemen. The huddle is formed seven yards from the ball. The center, with his back to the ball, raises his right hand above his head and hollers so that the players can quickly form around him. The QB is the only one who speaks in the huddle.

We work a great deal on our huddle and huddle stance:

1. Hands resting on knees.
2. Between straight up and fundamental position.
3. Look into center of huddle.
4. Feet shoulder-width apart.

As soon as the QB calls the play, the center and designated flanker man (if any) leave the huddle by sprinting toward the line of scrimmage. As the center comes about a yard from the ball, the QB calls "Break!"

As everyone breaks the huddle, they clap their hands (right over left) and yell "Hey!", turning on their inside foot and sprinting toward the line of scrimmage. The team immediately gets down into their fundamental stances and are gone as quickly as possible. Mind you, *they are gone!*

We work on our huddle-to stance-to snap count every day for at least 10 minutes. I feel that this drill has done as much for our team effort as any drill we have. We start with it every day and we want that clap to vibrate through the stadium. The QB just says "Break!" and we clap. He'll call for the clap several times before actually sending the team up to the line.

For the snap count in Racehorse Football, I believe in silent cadence, recognition of a sound, rhythm, anticipation, and combinations of these encompassing any snap count possibility. All of these are valid snap counts.

There's also good reason to believe that the changing of the snap count from week to week will prove most successful in Racehorse Football. We've developed a snap count that allows us to change on the line of scrimmage with minimum delay in our take-off.

RULE BLOCKING

For many years, I've been a firm believer in "Offensive Line Quarterbacking," a system based on the use of three auxiliary quarterbacks in the line. As described in the May 1952 issue of *Scholastic Coach*, it offers a system of line blocking that can adjust to and handle any defensive alignment on any given play. It represents situation blocking at its best, and actually gives the offensive linemen several ways

Scoremaster

FOOTBALL SCOREBOARD

THE BEST IN PERFORMANCE AND VISIBILITY



Board 8' 4" x 18' 4" Football symbols 18" x 12"
Numbergrams 12" x 18" Letters 12" high

All steel construction, baked enamel finish

- Flashes time left for play, in minutes and seconds, by brilliant numbergrams.
- Timing mechanism is completely automatic, changing time by the second. Can be stopped instantly for time-out periods.
- Two brilliant football symbols show possession of ball.
- Controlled by means of compact, easy-to-operate control panel located at any convenient point in stadium.

Available for quick delivery, catalogues upon request.

M. D. BROWN CO., EAST LAKE ST., NILES, MICHIGAN

New!!!

SAND KNIT FOOTBALL JERSEYS AND PANTS

Knit From the New
Helanca-Stretch Nylon Yarn
Which Allows Material to
Stretch All Directions
and Always Maintain
Original Shape.

- Lightweight
- Durable

Elastic Nylon Yarn
That Cannot be Equaled!

Write for Complete Information

FREE! Newest 1956 Football
Clothing Catalog avail-
able on request.



SAND KNITTING MILLS CORP.

BERLIN, WISCONSIN

For Superior design, construction and performance

☆ You'll soon realize what superior materials, smart modern designing and skilled craftsmanship can mean when you install your first AMERICAN Streamlined Official Regulation Diving Unit. You'll know then that American Approved Equipment is the kind you've wanted for your pool, you'll discover that American's years-ahead styling is but one of the many *plus-features* you get when you select AMERICAN. Unequaled performance . . . superior construction . . . lifetime durability . . . there's all that and much more in American Approved Pool Equipment.



American Approved DB-1 Extra Heavy Duty Official Regulation One Meter Diving Unit



American Approved Steel Pool Ladder

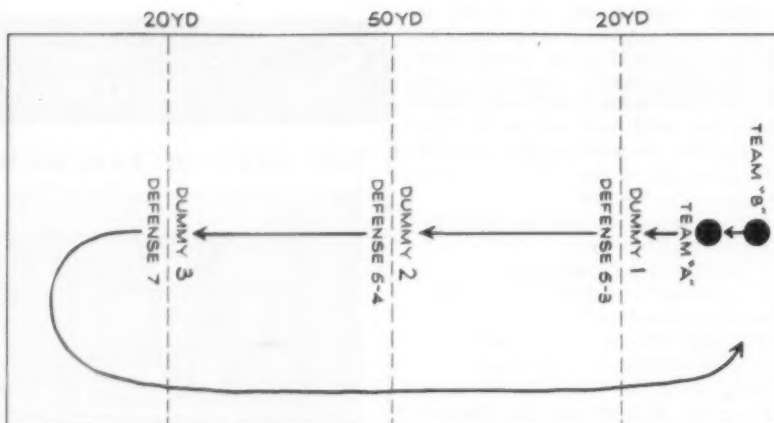


American Heavy Duty Life Guard Chair

☆ write for literature featuring
american approved jim patterson
**LIFETIME Aluminum
DIVING BOARD**
world's finest official board



BRANCH PLANT AT NAHMA, MICHIGAN



Offensive team tries a specific play against three different defenses.

to open a hole, regardless of the defense confronting them.

However, though I still feel it's the finest system of line blocking extant, it simply isn't adaptable to Racehorse Football. So we've tailored a special rule blocking system for the Racehorse game: This tells the linemen what to do in words. Instead of having to recognize particular defenses, he has a zone or area that he's responsible for on every play—and he plays it by rules.

We arrive at these rules by drawing up the desired blocking against all the defenses we expect to meet during the season. Then we write in meaningful words, telling the linemen just what they're expected to do. To understand these rules and clarify their meaning, it's necessary to learn certain terminology that simplifies each rule into a few words.

It's my firm conviction that the running game should be built around the type of blocking used at the desired holes, rather than on the backfield series. The different ways you want to open a point of attack should be the key to your fundamental offense.

Rule blocking, by telling the linemen what to do in words, is the only blocking system completely adapted to Racehorse Football. It's expedient in teaching, foolproof in execution, and helps linemen immediately recognize their blocking assignment, thus enabling us to go! go! go!

Bear in mind that Racehorse Football is a *way* of playing football, rule blocking is a system of blocking, and that the construction of your offense is based on the manner in which you seek to block a point of attack. Unfortunately, space prohibits any discussion of our

progress in rule blocking, hole numbering, and our method of attacking vital holes in the defensive schemes. But rest assured: We confuse anyone who's "reading" defensively.

Faking is another important adjunct to the format of Racehorse Football. While we want to hit any point of attack in the quickest possible way that our blocking will allow, we also want to fake, fake, fake. Our QB is thus requested to do a great deal of work both in our backfield and on the line of scrimmage.

GROOMING THE RACEHORSE

Conventional planning doesn't apply to Racehorse Football. Most of the emphasis is on the group rather than the individual. The overall operation can never be slowed down for individual correction, and the technical teaching underscores this basic concept.

For example, when a back is tackled in practice, strong stress is placed upon an immediate recovery. We keep yelling "Get up! Get up! Get up! Back to the huddle!"

Our blocking is based on the following principles:

1. **Approach:** (a) speed and power by uncoiling off forward foot; (b) sprint through opponent.
2. **Contact**—always comes before position: (a) as soon as possible with desired shoulder, head, and neck; (b) collect your feet.
3. **Position:** Turn your butt into the hole.
4. **Leg Drive:** Drive! Drive! Drive!
5. **Speed:** Speed! Speed! Speed!

In Racehorse Football, little emphasis is placed on the type of contact. In fact, this is the point of smallest stress. The striking of the blow is of *less* concern to us than the other principles mentioned.

For this reason, many of our drills

wouldn't be considered conventional. We spend time, for example, on teaching backfield men to fight their way out of piles. This is vitally important when opponents are attempting to slow us up by holding our men down after the whistle. Nothing is permitted to decelerate our machine-like operation.

In our practice on teamwork, we never work two offensive teams against one defensive team simultaneously, either in live or dummy sessions. On the contrary, we work one group against one group for shorter periods of time.

We've found the drill in the accompanying diagram very useful. As shown, we set up three defensive teams (either passive or active) some 30 yards apart, and have each team employ a different defense we expect to see on Saturday.

Team A is then given the go-ahead for Racehorse Football, and it works one specific play against all three defenses. As soon as Team A passes the first defensive group, Team B starts racehorsing through the defensive teams.

Upon completing the play against all three defenses, the offensive team sprints back to its original position and starts a new play against all three dummy defenses. All of this is executed in Racehorse style.

Uppermost in mind in everything we do is the need for perfect physical condition. We believe Racehorse Football fosters condition, and once discipline is established it's only a matter of time for our entire team to reach peak shape.

We're always on the lookout for injuries and won't play a boy if there's any doubt about his health. It's usually when the pressure is mounting that injuries occur and bring a halt to our relentless force. For this reason, we've developed a two-team and sometimes even a three-team system, even though forced to use players of inferior skill.

This has given our boys a feeling of confidence and an incentive for all-out effort, thus furnishing us with a fresh force always ready to do battle.

We overemphasize in all our team coaching. For example, if we expect to employ Team A in 10-minute bursts on Saturday, we prepare them for about 17 minutes. Saturday's job is always easier when you come prepared with more than you need. The extra work gives the boys that extra stamina they need to keep applying the pressure. As every coach well knows, it's always easier to slow down than to speed up.



School and college coaches report— **FASTER, LONGER RELIEF OF MUSCLE ACHES WITH MINIT-RUB!**

Team members prefer new, greaseless rub 4 to 1 over formerly used remedies. After 398 coaches of 22 active sports tested new Minit-Rub against their favorite remedies for strains, stiffness and sore, aching muscles—Minit-Rub came out the winner!

Coaches found it faster-acting and found its relief longer-lasting. Easier to use, too!

Minit-Rub combines 3 pain-relieving prescription ingredients and soothing lanolin in a special greaseless base that disappears like

vanishing cream. So its medication starts action faster than greasy rubs—relieves pain deep-down, yet won't burn skin.

Start using new Minit-Rub—39¢ and 69¢.



**GREASELESS! STAINLESS!
APPLIES LIKE VANISHING CREAM!**

Buying Bleachers? Better Look Twice at Maintenance Costs

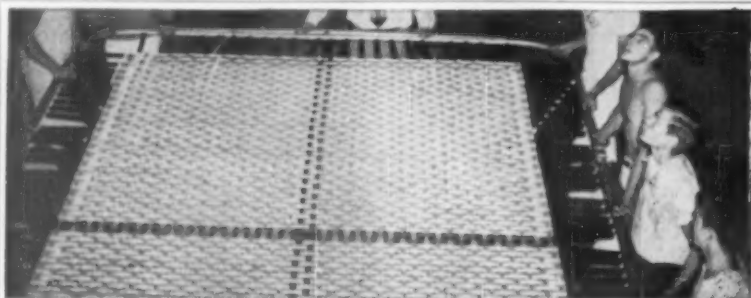
A recent survey shows that upkeep of athletic field seating averages 40¢ per seat per year. The biggest cost factor is in the labor required to hand scrape and refinish steel members that rust and scale in no time at all.



At PLAYTIME we lick the rust and costly maintenance bugaboo by Galvanizing Bleachers—After Fabrication. This exclusive process means that all steel members of PLAYTIME seating receive a heavy Hot-Dip zinc coating following weldment and sub-assembly. Galvanizing AF stops rust at manufacturing source . . . eliminates for years, costly painting and scraping operations . . . reduces bleacher upkeep to but pennies per seat per year.



If you're seeking bids on athletic field seating, be sure to get full particulars on PLAYTIME'S Galvanized AF Stands. They cost less and last longer!



The only ADJUSTABLE Trampolin!

Always the right bed tautness for top performance. Adjusts both length and width to keep that new tramp effect. No more bagginess or sagginess. A turn of the wrench instantly changes the bed tension to suit each performer in competitive use. Avoids replacement expense of distorted beds or slack springs.

The GYM-MASTER Line is largest and most advanced on the market with a number of important improvements. Liberal trade-in on trampolins of whatever make.

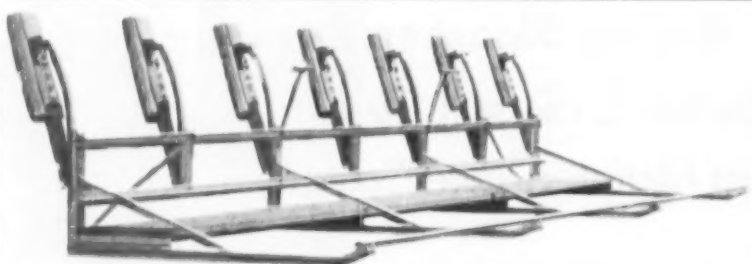
Let us send you full information.

The GYM-MASTER Line

Jumbo and Conventional Professional Models
Home Use Models
Take Off Tramp
Cover All Pads & Frame Pads
Beds & Parts for all makes
Weather covers
Nylon Web Beds of 1 inch and 1 1/4 strips
Quadruple stitched under tension with nylon thread
Griswold textbook on trampolining \$3.75

FENNER-HAMILTON COMPANY

824 WEST 14th STREET, DENVER 4, COLORADO



ALL STEEL 7 MAN SLED

Only \$335.00

This all new sled trains line to work as unit, move on snap. Helps eliminate "V" line up. Exclusive spring design produces strong recoil from the top to give the finest reaction drill possible. . . teaches blockers to maintain balance. All steel, bolted and welded construction. Vinyl pads in rough, waterproof covers. At a price every school can afford.

3 MAN SLED of same strong construction works three, two or one man. Designed to "rare up," encouraging players to "block up."

ONLY \$225.00

SEE YOUR SPORTING GOODS DEALER OR WRITE

Vibra-Whirl and Company

P. O. BOX 966-1

PANHANDLE, TEXAS

We're so interested in getting the job done that we'll sacrifice individual technique for team execution. We even sacrifice our center on long runs and passes. He trails the play with one thought in mind—to be seven yards from where the ball will be put into play. He thus can immediately call for the huddle.

In short, we keep that pressure going all the time. Once we have an opponent on the ropes, we never want to let him off.

Short but sharp and diversified practices are integral parts of Racehorse Football. Calisthenics occasionally serve as warm-ups and sprints are used only when timing individuals for specific distances.

Before leaving for the practice field, every coach checks the coaches' credo on the wall so that the words "enthusiasm", "integrity", "patience", etc., become engraven on his consciousness.

We do little team scrimmaging and what we do of it is kept to a minimum of 15 to 20 minutes. The practice must *move! move! move!* and the boys must never be conscious of time. We've never practiced more than one hour and 45 minutes, and seldom that.

Insofar as technical preparation is concerned, we never want the boys to have enough too early. There's a long period of practice before a game and our worry always is that we're going to be ready too soon. This becomes especially true in mid-season.

By "ready too soon," I mean knowing the offense and defense so thoroughly as to have no particular incentive to practice. You'll find that as soon as your boys know what to do, their desire to practice will taper off.

For this reason we wait until late in the week before telling them anything about how we're going to play the game. This means they'll have to bear down and concentrate in order to learn their duties in time for the game. However, they know that the technical preparation isn't the key to winning football. It's the way that they run their Racehorse that's all important.

Our terminology must be clear and meaningful. We're always speaking a common language, continuously utilizing terms that speak for themselves. (Reference is made to the May 1955 issue of *Scholastic Coach* for our backfield terminology.)

In Racehorse Football, there isn't enough time to question or repeat a command by the offensive QB. The terminology utilized must be colorful and suggestive of aggressive action.

ONE of the most brilliant young coaches in the college ranks, Al Davis has been living up to all the nice things predicted for him when, at the tender age of 21, he launched his coaching career at Adelphi College (N. Y.). That was in 1951. He then went on to head-coach the powerful Fort Belvoir eleven (1953) and assist with the Baltimore Colts (1954). In 1955 he became Johnny Sauer's strong right arm at The Citadel in Charleston, S. C. Al has contributed three superb articles to Scholastic Coach: "Offensive Line Quarterbacking" (May 1952), "Maximum Variety in Your Backfield Patterns" (May 1955), and the current piece on "Racehorse Football." A fourth excellent article, on an all-purpose defense, will appear either next month or in September.

Our continuous short meetings and precisely kept notebooks aid the teaching process immensely, supplementing the short but sharp and diversified practices. Our motto at all meetings in regard to new work is: *See It, Write It, Learn It, Do It.*

Movies are of priceless value in Racehorse Football, enabling us to scout ourselves, eliminate giveaways, and keep our offense diversified. You must have a well-rounded technical attack to play Racehorse.

Our attack maintains a balance between the ground and air arms, with the emphasis (on one or the other) depending upon the type of opponent being played.

RACEHORSE REQUISITES

Coaches have repeatedly told me that they "cannot get their kids to do it" or that they "don't have the type of kid" to play Racehorse Football. I'm convinced that it isn't the boy but rather the approach of the coach that's the constricting factor. Racehorse Football can be played with any type of personnel.

The vital thing to understand is that it's the peg upon which everything else is hung. Size and skill are subordinate to speed and desire in this lightninglike *modus operandi*. But your entire organization must be sold on it. They must firmly believe that Racehorse Football is the answer to winning football, and their faith must be deep and absolute.

Closely dovetailed with faith is

(Concluded on page 57)

SAFE, Flexible Outdoor Seating



UNIVERSAL
PORTABLE STEEL
GRANDSTANDS



UNIVERSAL
PORTABLE WOOD
BLEACHERS

UNIVERSAL is the oldest and largest manufacturer devoted exclusively to the design and construction of bleachers and grandstands. Thousands of installations and years of matchless performance give ample proof of the pronounced superiority of Universal products which meet and beat all known safety codes. They are easily assembled; no special tools required. Complete catalog free on request. Representatives in principal cities.

ROLL-A-WAY BLEACHERS

...for the most comfortable gymnasium seating in minimum space. We'll be glad to show you the difference.

UNIVERSAL BLEACHER CO.—CHAMPAIGN, ILL.

Game Uniforms

Are

Our Specialty

Spanjian
PASADENA



Write for your free 1956 Catalog

P. O. BOX 3111, PASADENA, CALIF.

RONALD Books . . .

Health and Physical Education

for Junior and Senior
High Schools

DAVID K. BRACE
University of Texas

THIS INDISPENSABLE GUIDE for health and physical education in high schools recommends policies for planning programs and presents suggestions for better organization and administration. A basic book in curriculum planning and construction, it outlines twenty course of study units in health education for the year course or for two half-year courses. The thirty-five teaching units in physical education for grades 7 through 12 include general units, units on the dance, team sports for both boys and girls, recreational sports, and combatives.

10 ill., 392 pp. \$4.25

Teaching Posture and Body Mechanics

ELLEN DAVIS KELLY
University of Oklahoma

DESCRIBES STANDARDS of body mechanics and presents activities through which good posture may be taught to children of all ages. The space, age, and sex indexing of games, stunts, and exercises are helpful in organizing suitable activities for various situations. Covers fundamental skills such as standing, walking, running; stunts and games for teaching good body alignment and strengthening muscles; gymnasium, classroom and playroom exercises for improving posture; apparatus activities; and corrective physical education.

44 ill., 212 pp. \$3.50

Tumbling Illustrated

L. L. McCLOW
Chicago Y.M.C.A.

DESCRIBES AND ILLUSTRATES 666 stunts and exercises for the individual performer, for couples, triples, and groups. 675 clearly drawn illustrations accompany the descriptions, enabling even the novice to interpret the movements with little effort. Presented in outline form, all exercises are graded according to difficulty, and grouped in categories, to facilitate choice of exercises adapted to the skill of the participants. Includes "clowning" and novelty events for exhibitions, class circuses, etc.

212 pp. \$3.50

* Order your books direct from:

THE RONALD PRESS COMPANY
15 East 26th St., New York 10

COACHES' CORNER



Please send all contributions to this column to Scholastic Coach, Coaches' Corner Dept., 33 West 42 St., New York 36, N. Y.

THE most inspiring team ever to grace our land is the small band of great athletes who are leading the Fellowship of Christian Athletes' crusade for a fuller spiritual life. In their talks throughout the country, these dedicated athletes speak of spiritual life in terms of the games they know best. And the results frequently are delightful.

This cameo of gentle humor popped up in a talk given by the great Robin Roberts: "In the long history of organized baseball, I stand unparalleled for putting Christianity into practice. . . . Last season I gave up an all-time major league record of 41 home runs. No one has ever been so good to opposing batsmen. And to prove I wasn't prejudiced, I served up home run balls to Negroes, Italians, Jews, Catholics alike. Race, creed, nationality made no difference to me. . . ."

After two Sunday night stints as an emcee of a TV comedy show, Leo Durocher was thumbed out of the program. Remarked Shirley Povich, noted *Washington Post* columnist, "The NBC pooh-bahs . . . apparently are seeing eye-to-eye with the National League umpires. They didn't think Leo was funny either."

The faculty at the U. of Utah are not allowed to smoke. So the nervous basketball coach, Jack Gardner, swallows milk during a game. Before one of the Ute's big games two seasons ago, an admirer wired that he was sending him a 50¢ piece to pay his milk bill for the game.

Gardner promptly wired back: "Please send another four bits. This is a two-quart game."

Bobby Bragan, the new pilot of the Pittsburgh Pirates, was much impressed with Betty Ford, the lady bull-fighter from McKeesport, Pa. Upon

being introduced to her, he said, "Don't you think you live dangerously, lady?"

The matadora snorted. "You won't know what living dangerously is till you've managed the Pirates a year!"

Complaining about a tough train trip coming up, Mendy Rudolph, crack NBA ref, grumbled, "I think I'll fly to Boston tomorrow. I'm not going to ride a coach all night."

"Why not?" snapped a nearby reporter. "Don't the coaches ride you all night?"

Asked whether it bothered him to be compared with Duke Snider all the time, Willie Mays snorted, "Bother me? Why, I'm happy about it. Some fellows play for 20 years without being compared to anybody."

Informed that the Harlem Clowns are prepared to offer him \$50,000 to play with them next season, the great Bill Russell expressed surprise. "I'm shocked," he exclaimed. "After all, it would increase my yearly earnings by roughly \$50,000."

Our vote for the most heart-warming freshman athlete of the year goes to Bill Davis, candidate for the Arizona State College golf team. What's so special about him? He's 60 years old! A retired furniture executive from Chicago, he's now doing the two things he's always yearned for—attending college and playing golf.

A couple of pretty fine track authorities were done wrong by (inadvertently) in Irv Kintisch's excellent shot-putting article last February, and we'd like to straighten out the record. In his piece, Irv wrote "Bresnahan and Tuttle offer no advice for the left leg other than having the body weight transferred to it."

Irv's reference was to the book, *Track and Field Athletics*. Unfortunately, he had been looking at the 1937 edition of it. The 1956 edition up-dates

the action of the left leg in considerable detail—bringing it in line with current practice.

Back in January, we ran an item in *Here Below* listing the outstanding coaching records in high school football. We decided that the 100-6-1 record of Clary Anderson (Montclair, N. J.) and the 89-4-1 mark of Joe Coviello (West New York, N. J.) were tops for coaches with at least 10 years of experience in Class A ball.

A note from Ann Arbor, Mich., informs us to keep an eye on their great schoolboy coach, Hank Fonde. His record so far is as close to perfection as a coach can get. His seven-year record reads 52-1-2, for a fantastic .981 winning percentage. Ye gads!

The crack Jamaica H. S. (New York City) basketball team must have been the "smartest" five of all time. The starting team finished their mid-year exams with a scholastic average of 88.6%, while their corps of five managers went slightly over 90%!

Richie Rhoden, captain and high scorer, proved the Abou Ben Adhem of the squad—he topped the list with a whopping 97%.

Our sportsmanship kudo for the indoor track season goes to Al Giscombe of Cardinal Hayes (New York City) High. Rounding the turn in the mile relay at the NYU meet, he perceived Lou Smith of Lincoln H. S. (Jersey City) just about to fall. Al quickly put out a helping hand and kept his rival on an even keel. Lincoln then went on to set a meet record.

Coach Paul Sherbina of Placer H. S., Auburn, Cal., pin-points a bad fumble in our 1955 All-American H. S. Football Squad (February issue). In our Honorable Mention column, we listed one of his boys as Ola Ferguson when it should have been Ola Murchison.

Paul tells us that we certainly hit the bull's-eye in nominating Ola. "Ola stands 6-3½, weighs 185, and runs the 100 in 10 flat. His 90 points last season must have made him one of the highest-scoring ends in the country. He boots our extra points, kicks off, is tough on defense, and has a great attitude. What's more, he's been picked to play in the North-South Shrine Game in the Los Angeles Coliseum this August."

From Bob Bushnell, basketball coach at Powers (Ore.) H. S.: "I've just finished reading your fine editorial, 'Defending a Few Attacks,' and I want to say it was really GREAT! I'm in my first year of high school coaching and Hank Luisetti's article in *Sport* (which was attacked in the editorial in question), made me wonder about the profession I'm getting into. Your editorial assured me that basketball coaching is still O.K. I wish we could have more 'defenses' of the game, like yours. P.S. We've won 17 straight this season on a 'Stinking Racehorse' game."



HUSSEY Portable STANDS

More Comfort, Easier of Access

Hussey's Model 8 patented portable steel grandstands (now available with wide front aisle) have all the advantages which have made the original Model 6 bleachers leaders in the field of portable seating, and combines with these advantages the comfort and accessibility of modern grandstand construction.

Model 8 has more room between the rows, the foot boards are wider and placed above the stringers, thus eliminating the need for stepping over them and the danger of tripping.

Model 8 and Model 6 both have patented features which cannot be duplicated. They can be erected and taken down more easily and more quickly, and stored in smaller space than any other stand on the market. No skilled help is required. The same stand can be used indoors and out. Additional sections of the same model can be added as needed. Six, 10 and 15 tier 12 foot sections in stock. Other sizes to order.

ROLL-OUT CLOSED DECK GYM SEATS

Save Insurance Costs

After careful comparison, the safety engineers of a nationally recognized insurance company stated that "public risk" in Hussey Roll-Outs was much less than in any other known seats, and that any public liability insurance carrier would be justified in extending a lower over-all "judgment rate."

This is but one of the many features that made Hussey Roll-Outs a hit of the N.E.A. Convention.

FREE catalogs and complete information on request. Write today!

IRON WORKERS



SINCE 1835

HUSSEY MFG. CO., INC.

561 Railroad Avenue

North Berwick, Maine

Also Mfrs. of—Permanent Steel Grandstands of any type or size, Diving Boards, Floats, Adjustable Steel Piers, Water Sports Equipment, and Miscellaneous Iron.



Name and School	Ht.	Coach
Al Attar (Dorfee) Fall River, Mass.	6.2	Luke Urban
Dennis Boone (Manual) Denver, Colo.	5.11	Al Oviatt
George Burkel (Cleveland) St. Louis, Mo.	6.7	Earl Jansen
Kelly Coleman (Wayland) Ky.	6.3	Copper John Campbell
Albert Ellison (Linden) Tenn.	6.4	Willie Hudson
Nolden Gentry (West Rockford) Ill.	6.7	Alex Saudargas
Earl Irvine (Lincoln) Seattle, Wash.	6.4	Norm Dalthorp
Tony Jackson (Jefferson) Brooklyn, N. Y.	6.3½	Max Hodesblatt
Bjarne Jensen (Franklin) Portland, Ore.	6.9	Mel Krause
Ren Johnson (New Prague) Minn.	6.7	Douglas Shenka
Art Lambiotte (Warwick) Hilton Village, Va.	6.4	Joseph S. Agee
Fred LaCour (St. Ignatius) San Francisco	6.4½	Rene Herrarius
Jerry Lucas (Middletown) O.	6.7	Paul Walker
Walt Mangham (New Castle) Pa.	6.3	John Milanovich
Douglas Moe (Erasmus) Brooklyn, N. Y.	6.4	Al Sadain
Lance Olson (Green Bay West) Wis.	6.3	Bruce Fossum
Mel Peterson (Stephenson) Mich.	6.5	Guss Lord
Jerry Pimm (Montebello) Cal.	5.11	Raymond B. Hooper
Jack Pirrie (Maplewood) Mo.	6.6	John H. Sanders
George Ramming (Union Hill) Union City, N. J.	6.5	George Faltings
Oscar Robertson (Attucks) Indianapolis, Ind.	6.4	Ray Crowe
Barry Shetrone (Southern) Baltimore, Md.	6.3	Lee Horowitz
Tom Stith (St. Francis) Brooklyn, N. Y.	6.5	Chick Keegan
Larry Swift (Keokuk) Iowa	6.6	Don Shupe
Mike Tipton (Natrona County) Casper, Wyo.	6.2	Swede Erickson
Horace Walker (Chester) Pa.	6.3	Bob Forwood
Jerry West (East Bank) W. Va.	6.3	Roy Williams
Max Williams (Avoca) Tex.	5.10	Grenville E. Hastings
Rollie Williams (Kellogg) Ida.	6.6	Ed Hienstra
Corky Withrow (Central City) Ky.	6.4	Delmas Gish

STIMULATED by the smashing success of its All-American H. S. Football Squads, *Scholastic Coach* dispatched its bird-dogs into the basketball wilds the past season and here's the result—our first annual All-American High School Basketball Squad.

What we did was divide the country into nine regions and pick a 15-man all-star squad for each (as shown on the facing page). From these 135 regional choices, we then culled the final 30-man All-American Squad.

The honor squad is a real beauty, consisting of 26 seniors and four underclassmen hailing from 24 states. New York leads with three choices (all from Brooklyn!), followed by Missouri, Kentucky, Pennsylvania, and California with two men apiece.

Dramatizing the fact that the greats of the game come from everywhere and anywhere is the representation of such towns as New Prague, Minn.; Hilton Village, Va.; Linden, Tenn.; Kellogg, Ida.; and Avoca, Tex.

The entire Squad averages 6'4", with three boys standing under 6'. The "shorty" of the Squad is **Max Williams** of Avoca (Tex.) H.S.—a 5'10" package of playmaking TNT who's been a top star in the Lone Star State for four years.

High man on the totem pole is 6'9" **Bjarne Jensen** of Franklin H.S., Portland, Ore. Though only a junior, Jensen led his team to the state crown.

Another junior on the honor squad is **Tony Jackson** of Jefferson High, Brooklyn, a 6'4" "pogo" leaper with a feathery jump shot that's deadly accurate from 20 feet in. Jackson broke the all-time New York City tournament record by tallying 130 points in five games.

Tom Stith of St. Francis Prep, New York City's Catholic school champs, was a great rebounder with a deft scoring touch. Though only a junior, he was voted the outstanding player in his city's Catholic School League and the most valuable player in Washington, D.C.'s Knights of Columbus tourney, which

NEW ENGLAND

(Me., N. H., Vt., Mass., Conn., R. I.)

*Al Attar (Durfee) Fall River, Mass.
Walt Bailey (Commerce) Worcester, Mass.
Chuck Chevalier (Charlestown) Boston
Alan Cole (Manchester) Conn.
Dan Drinon (Bangor) Me.
Harry Edmonds (East Providence) R. I.
John Egan (Weaver) Hartford, Conn.
Bob Hurst (Concord) N. H.
Wayne Lawrence (Stonington) Conn.
Ray Locke (Barrington) R. I.
Ed Marchetti (Morse) Bath, Me.
Leon Nelson (Hillhouse) N. Haven, Conn.
Pete Scott (Cape Elizabeth) Me.
Dave Stern (Springfield) Vt.
John Tremblay (C. Cath.) Lawrence, Mass.
John Tyrell (Bellows Falls) Vt.

MIDDLE ATLANTIC

(N. Y., N. J., Penna.)

Al Butler (East) Rochester, N. Y.
John Crotty (St. Peter's) Jersey City, N. J.
Russ Cunningham (Commerce) N. Y. C.
Dave Farnsworth (Canandaigua) N. Y.
Seth Hicks (New Rochelle) N. Y.
*Tony Jackson (Jefferson) Brooklyn, N. Y.
*Walt Mangham (New Castle) Pa.
Bob Mlkvy (Palmerton) Pa.
*Doug Mae (Erasmus) Brooklyn, N. Y.
Ron Navak (Pine Hill) Buffalo, N. Y.
Pat O'Donnell (St. Mary's) Elizabeth, N. J.
*George Ramming (Union Hill) N. J.
Ray Scott (West) Philadelphia, Pa.
*Tom Stith (St. Francis) Brooklyn, N. Y.
*Horace Walker (Chester) Pa.

SOUTH ATLANTIC

(Md., Del., W. Va., Va., N. C., S. C., D. C.)

Willie Akers (Mullens) W. Va.
Connie Berry (Spartanburg) S. C.
Larry Bulla (Asheboro) N. C.
Danny Casteen (N. Hanover) Wil., N. C.
Bill Chittum (Lexington) Va.
Ed Grim (Handley) Winchester, Va.
Ed Hargaden, Jr. (Layola) Baltimore, Md.
Walt Hudson (Dreher) Columbia, S. C.
Lonnie Humphrey (Huntington) N. News, Va.
Howard Hurt (Beckley) W. Va.
Don Jones (Greer) S. C.
*Art Lambiotte (Warwick) Hilton Village, Va.
Tom McCloskey (Gonzaga) Wash., D. C.
James Scott (Byrd Prill'man) Amiga, W. Va.
*Barry Shetrone (Southern) Baltimore, Md.
*Jerry West (East Bank) W. Va.

SOUTHEAST

(Ky., Tenn., Ala., Miss., Ga., Fla.)

Wallace Brown (Pine Log) Ga.
Ronald Cochran (Murphy) Mobile, Ala.
Hugh Coleman (Kossuth) Miss.
*Kelly Coleman (Wayland) Ky.
Tom Darrah (Baker) Columbus, Ga.
*Albert Ellison (Linden) Tenn.
Charles Hampton (Central) Louisville, Ky.
Dan Jordan (Philadelphia) Miss.
Don Mills (Berea) Ky.
George Pettus (Burt) Clarksville, Tenn.
Byron Pinson (City) Henderson, Ky.
Wayne Richards (Richmond Acad.) Augusta
Ralph Tiner (Auburndale) Fla.
Raynae Watts (Alexandria) Ala.
*Corky Withrow (Central City) Ky.

EAST CENTRAL

(O., Ind., Mich., Ill., Wis., Minn.)

Ken Anderson (Moline) Ill.
Sam Antcliffe (Hale) West Allis, Wis.
Bob Bolton (Lakeview) Battle Creek, Mich.
Ed Burton (Muskegon Heights) Mich.
Jim Darrow (South) Akron, O.
Ken Exel (Roosevelt) Minneapolis, Minn.
*Nolden Gentry (West Rockford) Ill.
*Ron Johnson (New Prague) Minn.
Gary Kesler (Wilshire) O.
*Jerry Lucas (Middletown) O.
*Lance Olson (West) Green Bay, Wis.
*Mel Peterson (Stephenson) Mich.
Frank Radovich (Hammond) Ind.
*Oscar Robertson (Attucks) Indianapolis, Ind.
Dalen Showalter (Logansport) Ind.

WEST CENTRAL

(Kan., Mo., Neb., Iowa, N. D., S. D.)

*George Burkel (Cleveland) St. Louis, Mo.
Jerry Collier (Falls City) Neb.
Alan Donaghue (Wyandotte) K. City, Kan.
Bill Garrington (Marshalltown) Iowa
Mel Harmon (Hebron) Neb.
Delbert Heidebrecht (Inman) Kans.
Earl Nau (Mt. Pleasant) Iowa
*Jack Pirrie (Maplewood) Mo.
Al Roisum (Grand Forks) N. D.
Robert Rupp (Scottsbluff) Neb.
*Larry Swift (Keokuk) Iowa
Al Tate (Coffeyville) Kans.
Dennis Walker (Newton) Kans.
Vince Whipple (Rapid City) S. D.
John Waris (Christ. Bros.) St. Jos., Mo.

SOUTHWEST

(Ark., La., Tex., Okla., Ariz., N. M.)

Ora Lee Boss (Green Forest) Ark.
James Frelow (Lincoln) Port Arthur, Tex.
James Harrison (Scotlandville) La.
Fred Holt (Jena) La.
Max Lay (Mount Vernon) Ark.
Don Meredith (Mount Vernon) Tex.
Jackie Moreland (Minden) La.
Kim Nash (Hobbs) N. M.
Albert Nealey (Union) Phoenix, Ariz.
Pat Noakes (Poly) Fort Worth, Tex.
Bob Skousen (Mesa) Ariz.
Dick Soergel (Capitol Hill) Okla. City, Okla.
Phillip Trammel (Laredo) Tex.
Larry Wade (Guthrie) Okla.
*Max Williams (Avoca) Tex.

ROCKY MOUNTAIN

(Colo., Wyo., Utah, Ida., Mont.)

Dan Balko (Great Falls) Mont.
*Dennis Boone (Manual) Denver, Colo.
Terry Bunch (Thermopolis) Wyo.
Carney Crisler (North) Denver, Colo.
Frank Driggs (Pleasant Grove) Utah
Lonnie Gleave (Provo) Utah
Larry Hoffner (Greeley) Colo.
Frank Javernick (Abbey) Canon City, Colo.
Lloyd Kilman (Polson) Mont.
Dick Susueta (Bingham) Utah
*Mike Tipton (Natrona) Casper, Wyo.
Roger Tomlinson (Ogden) Utah
Gary Tway (Fort Lupton) Colo.
*Rollie Williams (Kellogg) Ida.
Kent Woodhouse (Oakley) Ida.

FAR WEST

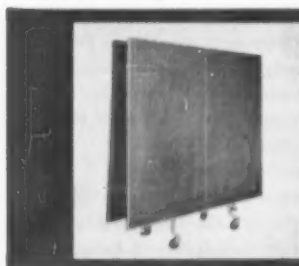
(Cal., Ore., Wash., Nev., Hawaii, Alaska)

Norris Brown (Richland) Wash.
Sterling Forbes (Jordan) Los Angeles
Robert Funes (Mid Pacific) Honolulu
Cornell Green (El Cerrito) Cal.
Jim Hanna (Poly) Long Beach, Cal.
*Earl Irvine (Lincoln) Seattle, Wash.
*Bjarne Jensen (Franklin) Portland, Ore.
*Fred La Cour (St. Ignatius) San Francisco
Billy McGill (Jefferson) Los Angeles
Tom Meschery (Lowell) San Francisco
Chuck Moszeter (Zillah) Wash.
Al Murphy (Bremerton) Wash.
Bert Myers (Oraville) Cal.
*Jerry Pimm (Montebello) Cal.
Robert Tisdal (Medford) Ore.

TUCK-A-WAY

ready for play...

stored away...



Check these outstanding features:

Regulation court, flat green with white court lines.
 $\frac{3}{4}$ " hard, plywood top, arc welded structural steel frame.
 Exclusive "Floating Fold" for easy, safe operation.
 Beige enamel frame finish, other colors available.

For complete
TUCK-A-WAY information,
 write today to:



in seconds!

Now, SICO's *Tuck-A-Way* finally answers the table tennis storage problem. It gives you real, multi-use of space and greater convenience because it folds up or down at a touch... because it rolls quickly to or from small $16\frac{1}{4}$ x 60 inch storage space.

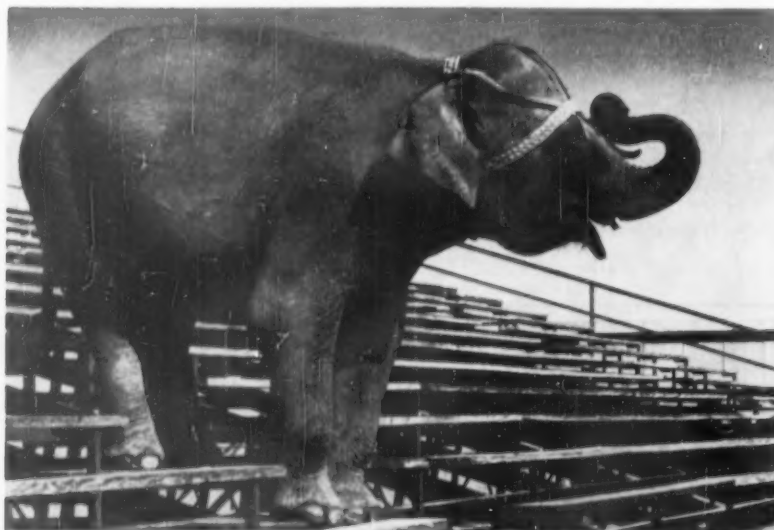
Tuck-A-Way is perfect for any area that must serve more than one purpose—lunchrooms, recreation areas, gyms. Simple and fool-proof in design, no latches, locks or catches. It's so sturdily made that it carries a 10 year, written guarantee.



manufacturing company, inc.

Dept. 810

5215 Eden Avenue, South
 Minneapolis 24, Minn.



The proof of the pudding is in the elephant!

Just what we've told folks for years... here's the extra margin of safety you need! 8,000 pounds of Old Jumbo where not more than 2,000 pounds of people could crowd in. Immediate delivery... no delay... further information and prices gladly furnished.



"With the extra
 margin of safety"

REEVES STEEL, INC.

Manufacturers of REEVES STEEL BLEACHERS & GRANDSTANDS
 Telephone 2-0651 205 N. 12th Street Tampa 1, Florida

brought together eight of the finest Catholic school teams in the East.

The third of the Brooklyn triumvirate is **Doug Moe** of Erasmus Hall H.S. A 6'4" octopus under the boards, Moe possesses just about every shot in the book and should make an outstanding collegian.

Most fantastic shooter on the Squad is the fabulous **Kelly Coleman** of Wayland (Ky.) H.S. He sizzled the netting for an incredible 46.8 point average this season and wound up his career with 4,263 points in 127 games (an 33.6 average)! This probably knocked every scoring record in the land into a cocked hat.

Hailing from a small mountain school, Coleman was considered nothing but a bomber until he produced a fine brand of rebounding and team play in leading his team to the semifinals of the state tourney. All the skeptics were won over by his performance in the famed Kentucky tourney. Coleman smashed every record in the book by hitting for 187 points in 4 games, with a single game high of 67!

Lone sophomore on the Squad is 6'7" **Jerry Lucas**, the "Mr. Basketball" of Ohio. Possibly the finest young player in schoolboy history, Lucas broke up the Ohio Class A tournament by hitting for 53 points in the semi-final against Cleveland East Tech and then chalking up 44 against McKinley-Canton in the final. During the regular season, he averaged about 27 points per game for Middletown High.

Pennsylvania placed two 6'3" jumping jacks in **Horace Walker** of Chester H.S. and **Walt Mangham** of New Castle H.S. Mangham, an All-American track star who can high jump 6'6 $\frac{3}{4}$ ", was a tremendous rebounder, while Walker was a deadly jump shooter.

New England's lone representative was **Al Attar** of Fall River, Mass.'s Durfee H.S. Attar established a tourney record in leading his club to the New England championship in the Boston Garden, and there was no question about his No. 1 rating in the area.

Nolden Gentry, 6'7", was only the third highest scorer on his team with a 15.5 point average. But for the second year in a row he led West Rockford to the championship of Illinois—one of the toughest basketball states in the country. A smooth, finished ball-player who can hit from the outside and rebound tremendously, he's been a regular on Illinois' finest team since his sophomore season.

New Jersey placed **George Ramming**, a 6'5" husky who's one of the country's best schoolboy discus

throwers. Ramming won the state crown for Union Hill H.S. by stealing a loose ball just before the final gun.

Oscar Robertson of Crispus Attucks H.S., Indianapolis, the all-Negro school which won the Indiana state title for the second year, was regarded by many as the greatest player in Hoosier history. A great clutch performer, he banged in 37 points against Lafayette Jefferson in the state finals.

Mel Peterson of Stephenson, Mich., led that Upper Peninsula school to the state Class B diadem. He was especially effective in the semi-finals against an opponent four inches taller, then went on to score the winning points in overtime in the finals against St. Andrew's H.S., Detroit champs.

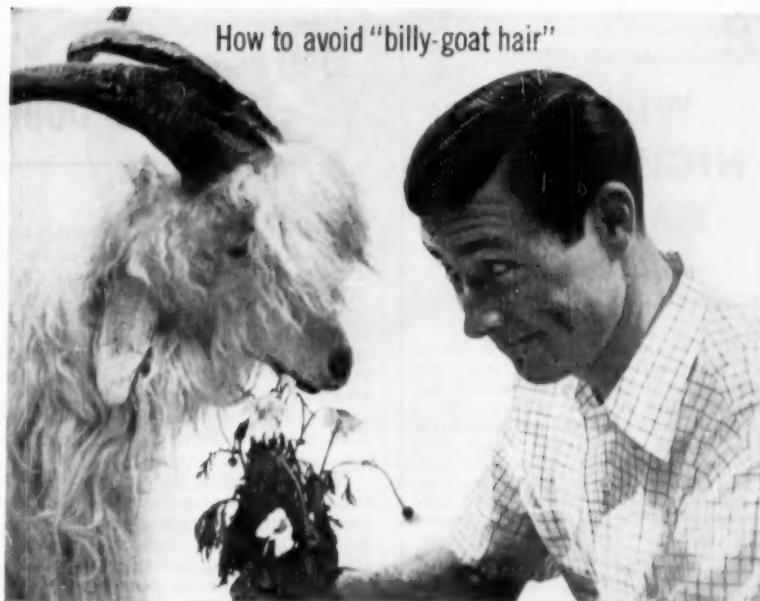
Jerry Pimm, a 5'11" shorty from Montebello, Calif., established a new Southern California scoring record with a 26.2 point average. Another 5'11" shorty, **Dennis Boone** of Denver Manual, set a city scoring record in leading his team to a runnerup spot in the Colorado state tournament.

Fred LaCour of San Francisco's St. Ignatius High was coached by Rene Herrerias, former San Francisco great, and is rated an even greater prospect than Hank Luisetti was in high school.

Unfortunately, space prohibits a run-down on the entire Squad. But take our word for it—everyone of them was simply great. But that doesn't mean all the future college greats will come exclusively from this list. A lot of tomorrow's All-Americans might just have been second-string high school players the past season. We need only remember that Paul Arizin never even played high school ball and that Bill Russell got in only a half semester of schoolboy play!

OLYMPIC GAMES CONTEST

THE Colgate-Palmolive Co. rates a loud locomotive for its magnificent gesture in helping send our team to the Olympics in Australia. They will pay our Olympic Committee 10¢ in cash for each of the first 1,000,000 box tops and wrappers (of Colgate-Palmolive products) turned in to them by July 15. You can render a valuable patriotic service by helping organize your students in this drive. Full details appear on pages 32-33. Remember, your cooperation on this score will mean a windfall of \$100,000 for our Olympic team. The message on pages 32-33 will also tell you how your students can win a free trip to the Games, or one of 510 additional valuable prizes, by entering a simple contest.



New greaseless way to keep your hair neat all day

Hunting for a greaseless hair tonic? Vitalis tames wild hair with V-7, the unique grooming discovery that's not mineral, vegetable or animal oil. You never have an unsightly, over-slick, plastered-down look.

And Vitalis protects you handsomely from hair and scalp dryness. Try new Vitalis—you'll like it. (And so will your mate.)

VITALIS® HAIR TONIC WITH V-7.

ANOTHER FINE PRODUCT OF SCHWAB WERKE



a short story from the
MARBA MAN
 will convince you

1400 Schools
 can't be Wrong!

Marba's representative will call on you soon. Listen to his story of why over 1200 high schools and 200 colleges annually send their athletic equipment to Marba for reconditioning. It's a story of service, quality and price — a story it will pay you to hear.

MARBA, INC. Reconditioners of Athletic Equipment
 431 NIAGARA ST. • BUFFALO 1, N. Y.

Published March 1956 . . .

WINNING HIGH SCHOOL BASEBALL

by JIM SMILGOFF

Baseball Coach at Taft High School, Chicago

THIS new text explains and illustrates the proper fundamental skills and techniques of high school baseball, but treats college baseball as well. Part I treats batting intensively—bunting, running, sliding, and offensive strategy. Part II discusses defensive baseball by both individual position and team play—on both high school, college, and major league levels. Part III brings the present-day coach up to date in methods of organizing and supervising amateur teams, and includes indoor and outdoor drills for young boys.

It is organized for coaches who may or may not be baseball specialists. Numerous charts, drawings and illustrations make the explanations more easily understandable.

For approval copies write
PRENTICE-HALL, Inc.
Englewood Cliffs, New Jersey



Behrens
Portable Water Bubbler
. . . for All Sports

Recommended by Health Authorities and Coaches • Carries cool, safe drinking water anywhere • Streamlined Stainless Steel tank • Rubber tired wheels for easy rolling • Two modern sanitary push-button fountains for steady pressurized water flow. Easy to fill, ice, clean. Five gallon capacity.

Behrens MFG. CO. Inc.

WAUKESHA 4
WISCONSIN



New Books on the Sport Shelf

- **WINNING HIGH SCHOOL BASEBALL.** By James Smilgoff. Pp. 324. Illustrated—photos and diagrams. Englewood Cliffs, N. J.: Prentice-Hall, Inc.

FORMER Chicago Cub scout and now one of the finest schoolboy coaches in the land (Taft H.S., Chicago), Jim Smilgoff certainly knows his way around the diamond; and he proves it most satisfactorily in this comprehensive technical text.

His book offers a completely detailed analysis of every aspect of the game—batting, batting drills, base running, sliding, coaching, offensive strategy, pitching, catching, first base, the keystone combination, third base, outfield play, defensive play situations, team leadership and organization, selecting the team, team signals, game strategy, pre-season indoor and outdoor drills, etc.

He explains all these details thoroughly and authoritatively, embellishing his points with many excellent diagrams and photos. This is definitely a coach's book and every coach on every level of play—high school, college, and up—will find a gold mine of helpful information in it.

- **INSIDE BASEBALL FOR LITTLE LEAGUERS.** By Mickey McConnell. Pp. 64. Illustrated—drawings. New York: Wonder Books, 25¢.

ONE of the finest technicians in baseball, Mickey McConnell served as scouting director of the Brooklyn Dodgers for 11 years and is now one of the crack trouble shooters for Little League.

In this handsome little soft-covered book, he presents a lot of helpful nuggets on every position—as handed down to him by 28 famous big leaguers. The pointers are projected clearly and tersely, and illustrated with attractive drawings.

Though prepared for Little Leaguers, the material itself is universal and can be applied profitably by older players and coaches.

- **TENNIS FOR TEACHERS (Enlarged Edition).** By Helen I. Driver. Pp. 230. Illustrated—photos, diagrams, and tables. Madison, Wis.: H. I. Driver, \$4.

SINCE the first edition of this fine teaching manual made its appearance in 1936, over 15,000 copies of the book have found their way to tennis instructors all over the world.

The enlarged edition includes 16 new action sequences of famous players demonstrating the fundamental strokes, the official rules, a graphic tennis chart for bulletin-board use, and some new technical material.

The book itself continues to be perhaps the only text specifically designed for teachers of the game. It will provide every teacher or coach with all the knowledge and teaching devices needed for any situation, no matter how difficult or ideal it may be.

- **THE BOOK OF BADMINTON.** By Eddy Choong and Fred Brundie. Pp. 128. Illustrated. New York: Philosophical Library, \$3.75.

ONE of the greatest badminton players in the world, Eddy Choong has written a book that should definitely aid and abet both the beginning and experienced player.

The book is launched with an absorbing argosy of the game, covering the history of the sport, the shuttlecock, and big-time badminton. Then it delves into the actual techniques. Clearly and thoroughly, it analyzes the basic fundamentals, service, strokes, and simple and advanced tactics (for both singles and doubles).

The book is concluded with several interesting chapters on the old masters, a forward view of the world badminton scene, and an appendix enumerating the official rules as adopted by the International Badminton Federation.

- **BASIC BOOK OF SPORTS.** By Seaton, Clayton, Leibes, and Messersmith. Pp. 213. Illustrated—photos, drawings and diagrams. Englewood Cliffs, N. J.: Prentice-Hall, Inc.

THIS handsomely turned out 11" by 8" illustrated handbook explains all the rules, fundamental skills, and techniques on 28 men's and women's sports:

Table tennis, bowling, soccer, basketball, touch football, softball, an-



The Griswold

TRAMPOLINE BED

World's finest woven webbing bed.

NYLON

Custom made to fit your frame

TRAMPOLINE TUMBLING

The complete manual for teacher and student. Four-color illustrations . . . \$3.75

LARRY GRISWOLD

1812 Second Ave., S.E., Cedar Rapids, Iowa

AVAILABLE BOOK LIST

A new list of more than 800 books and films on sports, recreation, and hobbies from all over the world are included in the spring issue of Sport-Shelf News. The 16-page booklet is available from SportShelf, 10 Overlook Terrace, New York 33, N. Y. Enclose 10¢ for handling.

gling, badminton, field hockey, lacrosse, boxing, tennis, golf, dance, skiing, wrestling, shuffleboard, fencing, speedball, weightlifting, swimming, archery, trampolining, tumbling, volleyball, gymnastics, handball, and track and field.

Each chapter is organized in a highly practical fashion. First the origin and development of the sport is given, next the nature of the game, then the basic rules, and finally the techniques and fundamentals. A bibliography is also appended to each chapter.

The analyses are terse and practical and illustrated with detailed diagrams of fields and courts and excellent photos and drawings. The book is perfect as a permanent reference for the physical education office.

- INTERNATIONAL AMATEUR ATHLETIC FEDERATION HANDBOOK, 1955. Pp. 146. Illustrated. New York: SportShelf. \$1.50.

THE bible of international competition in track and field, the IAAF handbook presents both its constitution and the organization and technical rules for international competitions.

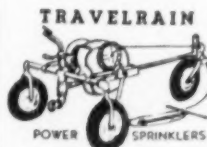
It also includes its history, personnel, a complete list of approved world, Olympic, and European records, a complete record of the 1952 Olympics, and a track and field timetable for the 1956 Games.

For your copy, order from Sport-Shelf, 10 Overlook Terrace, New York 33, N. Y.

(Concluded on page 63)

AUTOMATIC IRRIGATION

"Set it and Forget it"



POWER SPRINKLERS

Inexpensive—Designed for Athletic Fields.

Waters areas up to 100 x 600 ft. in one setting.

Only 10 minutes to set or removal. Pulls itself along thru winding up a steel cable—Water Powered—Shuts off water automatically.

Write for literature and prices

TRAVELRAIN

362 N. Canon Drive, Beverly Hills, California
Established 1935



...The REAL Bargains in the School Towel Field!

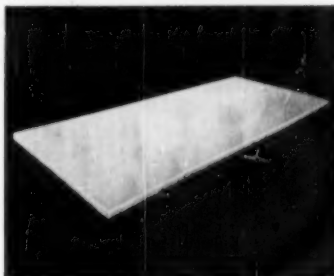
The true evaluation of costs involves more than the original price... it's the original price plus performance that counts. That's why users everywhere have discovered that the extra wear they get with famous McArthur SUPER-GYM and SUPER-TURK School Towels pay extra dividends for every dollar invested. The reason is simple—superior construction, two-ply yarns, woven tape selvages. Take advantage of the economy of the 350 to 500 uses and laundings that McArthur School Towels provide... and the free McArthur towel repair service. Write today for information.

GEO. **McARTHUR** & SONS, INC.
BARABOO, WIS.

NEW YORK STATE REPRESENTATIVE: Vern Volland, 19 Fairchild Drive, Eggertsville 21, N. Y.

New Gym Mats for '56... ...New Football Dummies

ATLAS Offers "Standard" Mats with Smooth, Tuftless Tops in School Colors



ATLAS SMOOTH-TOP MAT

Atlas' smooth-top mats for gym and ring, made of plastic-coated duck with no tufts on top surface, come in red, blue or green, as well as ivory or gray. See your 1956 Catalog for full details concerning Atlas' two fine mat lines, "Standard" and "DeLuxe". Atlas gives you top value in a wider price range.

**ORDER ATLAS MATS AND DUMMIES
NOW FOR FALL DELIVERY
AND A WORRY-FREE VACATION**

Sold Through Sporting Goods Dealers Exclusively

**3 Superdummies
Now Available
in 19-Model Line**



No. PC10—BUCK SUPERDUMMY

Atlas' top-quality, white vinyl-coated nylon superdummies are designed to give extra-long service. See Catalog for details concerning superior filling materials.

ATLAS ATHLETIC EQUIPMENT CO.
2115 LOCUST STREET ST. LOUIS 3, MISSOURI

STOP WATCH FACTS



ONLY Minerva CAN OFFER

- NEW UNCONDITIONALLY GUARANTEED COIL SPRINGS! Put an end to wear, friction, resulting in annoying failure—the only stop watch with a non-breakable Coil spring.
- INDEPENDENT HAMMER SPRING gives perfect flyback to zero on every "Button on Side" time out unit—guaranteed for life! Featured in our **HEAVY DUTY** Football, Basketball and Track models.
- ACCURACY CERTIFIED BY OUR WESTERN ELECTRIC ELECTRONIC TIMER.

We are headquarters for
STOP WATCH REPAIRS & SERVICING
 All makes—prompt service
 Now Ready! New catalog showing over 50 models.
 Write today!

M. DUCOMMUN CO.
 Specialists in Timing Instruments
 590 Fifth Ave., New York 36 • Plaza 7-2540

DAYTON STEEL RACQUETS

tennis, badminton, squash and paddle tennis.

Faster play...longer life.

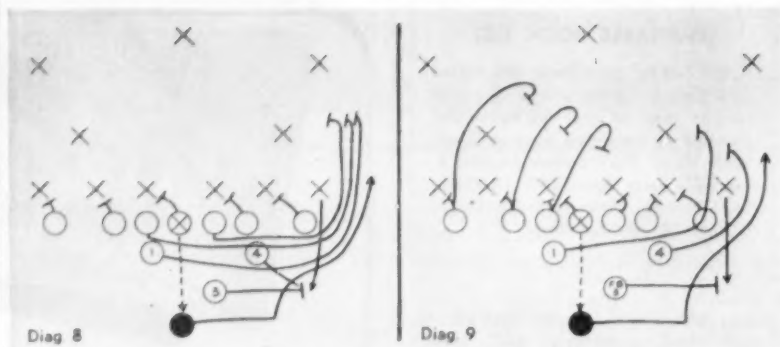
For years DAYTON Steel Racquets have been the favorite of professionals and beginners alike. Thousands are now playing an improved game—with more speed and accuracy than ever before.

Daytons are practically indestructible—ideal for schools and playgrounds. Steel strings and tubular steel frames are not affected by climatic changes. No covers or presses are needed to protect them. They won't warp, splinter, rot or sag.

It will pay you to investigate now. See them at your local dealer's or write direct to factory for more information.

DAYTON RACQUET COMPANY
 658 Albright St. Arcanum, Ohio

Dayton STEEL RACQUETS



Old and new methods of running the end from the short punt formation.

Short Punt Run Like a T

(Continued from page 11)

tion is then relayed to the quarterback.

A major weakness of the T in high school is that the quarterback, in turning and retreating to pass, loses his receivers momentarily. The short punt, as diagrammed, provides a pass offense in which the passer can watch his receivers at all times.

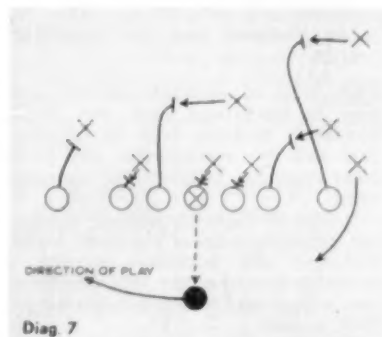
Last season we completed 15 passes for touchdowns and scored 12 touchdowns on runs or interceptions. These statistics naturally have sold us on the passing possibilities of the short punt.

The element of surprise and uniqueness lends another advantage to this sort of attack. Most of the teams in our conference run from the T. When they play us, therefore, they must take extra time to prepare a special defense—time they would ordinarily devote to their offense. Naturally this works to our advantage.

If we find our foes defending us as a single wing team, we run our T-type offense from the short punt. If we find them throwing T defenses against us, we run plays similar to

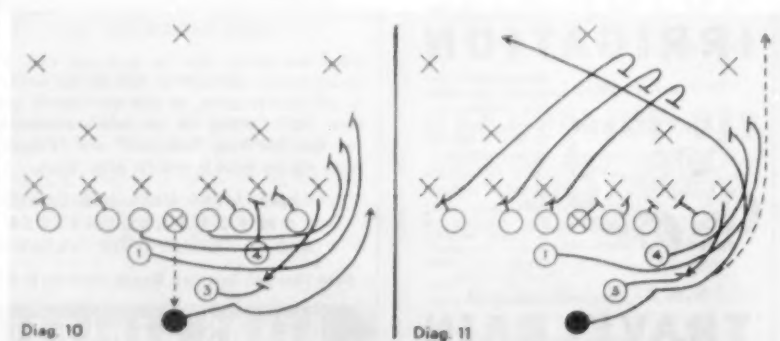
the single and double wingback formations. We can do this without changing blocking assignments. We merely space our personnel differently.

If you want to keep your opponents guessing for a season or two, try the short punt. You'll like its possibilities.



Example of uncover blocking system.

Next fall, incidentally, we're going to install a "ride" series into our short punt!



Old-fashioned and modern methods of operating the in-and-out end run.

Racehorse Football

(Continued from page 47)

discipline. The boys must believe in their coaches and in each other, and must be willing to work and sacrifice unstintingly. The individual is little, the group is everything—that's the sort of psyche he must build up.

Once the boys grasp the idea and get into the spirit of the thing, Racehorse Football becomes a great morale builder. It creates desire and drive and a terrific team *esprit*. The boys take great pride in knowing they're part of a new, dynamic concept of football, and go all out in exerting the essential never-ending relentless pressure upon the opponent.

An extremely significant advantage of Racehorse lies in the fact that *aggressiveness and desire can replace technique*. Young boys without topnotch technique can contribute in other ways to get the job done. Toughness, spirit, group effort, and *speed! speed! speed!* can compensate for faulty execution.

Another not insignificant check on the credit side of Racehorse is its beauty as a crowd-pleaser. It's exciting, dramatic, dynamic, swift, and colorful football with lots of surprises for the fan.

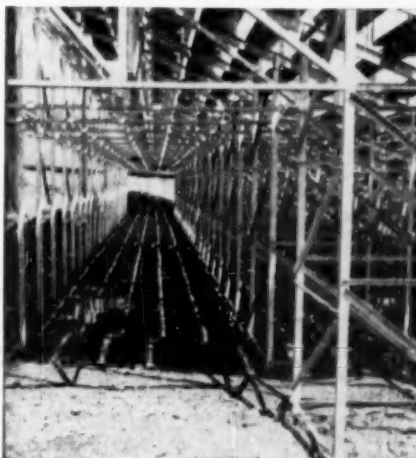
We realize, of course, that Racehorse Football isn't all peaches and cream. We know that several of the things we do are unconsidered unacceptable in terms of "good football." However, we expect our organization to treat them not as weaknesses but as challenging normal hazards.

For example, movies show that our lineup from end to end may not always be as straight as it should be. Though we work quite a bit on hugging the ball, we're cushioned for this supposed weakness.

Then, again, officials will occasionally misinterpret the action of a boy who's late getting down into position. They'll call this "failing to come to a complete stop before putting the ball into play," costing us 15 yards. Again we cushion ourselves for this, inasmuch as it's an understandable error. (But no one can make this mistake too often!)

It should also be understood that, while Racehorse Football is the answer to winning football, it must be complemented with an ingenious system of defense as intricately planned as the offense. (This defense will be described in detail in either the June or September issue.)

"Towers of Strength..."



- portable
 - sectional
 - permanent
- GRANDSTANDS
BLEACHERS**

The "tower type" construction on the Snyder all steel grandstand illustrated, insures long usage and safe seating.

Easy to install, designed so additional sections can be added, and planned for future installation of shower facilities this Snyder Steel Stand is safe, economical and practical.

If you are considering a similar installation or need help in planning, consult our engineers. They will gladly help you with your grandstand or bleacher problems.

For further information write:

SNYDER TANK CORP.

P. O. Box 14, Buffalo 5, N.Y. • P. O. Box 2390, Birmingham 1, Ala.

World's most powerful ALL-IN-ONE POWER MEGAPHONE...



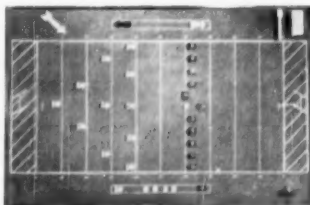
Send for free literature.

AUDIO Hailer

Amplifies your voice 1000 times!

AUDIO EQUIPMENT CO., Great Neck, N. Y.

START WINNING NEXT SEASON'S GAMES NOW!



PM-200 (Size 24" x 36")

Complete with 112 accessory pieces

*Available for all sports

\$24.95

PLAYMASTER® FOOTBALL COACHING KIT

Make spring training pay big new dividends with PLAYMASTER®. Movable magnetic player pieces sharply reduce chalk-talk diagramming—Plan better plays AT ONCE! See your Sporting Goods Dealer or write:

THE PROGRAM AIDS CO., INC.

Dept. 3C—550 Fifth Avenue, New York, N. Y.

Pick Your Coach and Coaching School

Use this guide to locate schools at which your favorite coaches will lecture.

Details on schools may be gleaned from Coaching School Directory on pages 59-62.

FOOTBALL

BRENNAN, TERRY, Notre Dame—Florida St. U. (adv. on p. 59), Ohio Football (adv. on p. 60), Wisconsin Coaches.

BRYANT, PAUL, Texas A. & M.—Mississippi Coaches (adv. on p. 61), Texas Coaches, Utah St. Coll.

BUTTS, WALLY, Georgia—Oklahoma Coaches.

COLLIER, BLANTON, Kentucky—Ohio Football (adv. on p. 60), Kentucky U.

CRIMMINS, BERNIE, Indiana—Indiana A. A., West Va. U.

DAUGHERTY, DUFFY, Michigan St.—All-American, Arizona Coaches, Colby Coll. (adv. on p. 60), Colorado U., Florida St. U. (adv. on p. 59), Indiana A.A., Kentucky U., Ohio Football (adv. on p. 60), So. Carolina Coaches (adv. on p. 61).

DIETZEL, PAUL, L.S.U.—Florida A. & M.

DODD, BOBBY, Georgia Tech—Idaho Coaches, Kentucky U.

ELIOT, RAY, Illinois—Connecticut U. (adv. on p. 61).

ENGLE, RIP, Penn St.—Virginia H. S., N. Y. State (adv. on p. 60).

EVASHEVSKI, FOREST, Iowa—Concordia Coll., Michigan A. A.

FAUROT, DON, Missouri—Missouri U.

GIESE, WARREN, South Carolina—Georgia Coaches.

GILLMAN, SID, L.A. Rams—Oregon U.

GUEPE, ART, Vanderbilt—Missouri U.

HAYES, WOODY, Ohio St.—Concordia Coll., Ohio Football (adv. on p. 60), So. Carolina Coaches (adv. on p. 61).

INGALLS, BOB, Connecticut—Connecticut U. (adv. on p. 61).

JORDAN, LLOYD, Harvard—Eastern Penna.

LAHAR, HAL, Colgate—Virginia H. S.

LEWIS, ART, West Virginia—West Virginia U.

MATHER, CHUCK, Kansas—Florida A. & M.

MITCHELL, JACK, Arkansas—New Mexico Coaches.

MONT, TOMMY, Maryland—Maryland U. (adv. on p. 60).

NUGENT, TOM, Florida St. U.—Florida St. U. (adv. on p. 59), Florida A. & M.

OOSTERBAAN, BENNIE, Michigan—Michigan U.

PARSEGHIAN, ARA, Northwestern—Florida A. & M., Louisiana Coaches, Virginia St. Coll., W. Ill.-Ill. St.

PROTHRO, TOMMY, Oregon St.—New Mexico Coaches.

SANDERS, RED, U.C.L.A.—Cal. Poly, Colorado H. S. (adv. on p. 61).

TATUM, JIM, North Carolina—Eastern Penna., Ohio Football (adv. on p. 60).

WARD, DALLAS, Colorado—Colorado U., Washington Coaches (adv. on p. 61).

WARMATH, MURRAY, Minnesota—Alabama U.

WILKINSON, BUD, Oklahoma—Florida St. U. (adv. on p. 59), Louisiana Coaches, Mississippi Coaches (adv. on p. 61), Nevada U. (adv. on p. 61), Oklahoma Coaches.

WOODRUFF, BOB, Florida U.—Florida A. & M., Florida Coaches.

WYATT, BOWDEN, Tennessee—Florida Coaches.

BASKETBALL

ALLEN, PHOG, Kansas—Concordia Coll., So. Illinois U.

BLACKBURN, TOM, Dayton—Idaho Coaches.

CARNEVALE, BEN, Navy—New Mexico Coaches.

CASE, EV, North Carolina St.—So. Carolina Coaches (adv. on p. 61), Georgia Coaches.

COMBES, HARRY, Illinois—All-American, Kentucky U.

CRUM, BIRNEY, Muhlenberg—Eastern Penna.

DEE, JOHNNY, Alabama—Alabama U.

FOSTER, BUD, Wisconsin—Wisconsin U.

HICKEY, ED, St. Louis—Indiana A. A.

HINKLE, PAUL, Butler—Adelphi Coll. (adv. on p. 59).

JULIAN, DOGGIE, Dartmouth—Upstate N.Y. (adv. on p. 60).

LYNCH, DANNY, St. Francis—Adelphi Coll. (adv. on p. 59).

MCCRACKEN, BRANCH, Indiana—Indiana A.A., Missouri U., Virginia St. Coll.

MCGUIRE, FRANK, North Carolina—Mississippi Coaches (adv. on page 61), Upstate N.Y. (adv. on p. 60), Georgia Coaches.

MOORE, DUDEY, Duquesne—Eastern Penna., N. Y. State (adv. on p. 60).

O'CONNOR, BUCKY, Iowa—Michigan A.A., Oregon U., Washington Coaches (adv. on p. 61), Colorado H. S. (adv. on p. 61).

PERIGO, BILL, Michigan—Michigan U.

POLLARD, JIM, LaSalle—Concordia Coll.

POPE, CHARLES, Vanderbilt—Florida Coaches.

RUPP, ADOLPH, Kentucky—Connecticut U. (adv. on p. 61), Kentucky U., Nevada U., (adv. on p. 61), Utah St. Coll.

SCHAUS, FRED, West Virginia U.—West Virginia U.

STALCUP, SPARKY, Missouri—Missouri U.

WELLS, CLIFF, Tulane—Indiana Basketball.

WOODEN, JOHN, U.C.L.A.—California Poly, River Falls.

WOOLPERT, PHIL, San Francisco—Arizona Coaches, New Mexico Coaches.

Coaching School Directory

ADELPHI COLLEGE—Garden City, Long Island, N. Y. Aug. 6-8. Directors, George Faherty (Adelphi College) and John Sipos, Huntington (N. Y.) H. S. Course: Basketball. Staff: Paul Hinkle, Danny Lynch, 4 High School Men. Tuition: \$15 (includes room and notes). See adv. on page 59.

ALABAMA UNIV.—Tuscaloosa, Ala. Aug. 6-9. Director, H. G. Crisp. Courses: Football, Basketball, Training. Staff: Murray Warmath, J. B. Whitworth & Alabama Staff, Johnny Dee, others. Tuition: Free.

ALL-AMERICAN CLINIC—Bemidji, Minn. June 24-27. Directors, K. E. Wilson and H. J. Erickson. Courses: Football, Basketball, Officiating. Staff: Duffy Daugherty, Les Luymes, Harry Combes, others. Tuition: \$15.

ARIZONA COACHES ASSN.—Flagstaff, Ariz. Aug. 20-25. Director, Joe M. Garcia, Box 61, Litchfield Park, Ariz. Courses: Football, Basketball, Baseball, Track, Training. Staff: Duffy Daugherty, Phil Woolpert, others. Tuition: \$17.50 plus \$16.50 room and board.

CALIFORNIA POLY—San Luis Obispo, Cal. Aug. 6-17. Director, Al R. Erps, San Fernando (Cal.) H. S. Courses: Football, Basketball, Track, Baseball, others. Staff: Red Sanders, John Wooden, Payton Jordan, Pete Beiden, others. Tuition: \$20 for 4 quarter-units of college credit; plus \$5 for housing, and \$2.50 per day for meals.

COLBY COLLEGE—Waterville, Me. June 13-15. Director, Ellsworth W. Millett. Courses: Football, Basketball. Staff: Duffy Daugherty, others. Tuition: \$22.50. See adv. on page 60.

COLORADO COACHES ASSN.—Denver, Colo. Aug. 15-17. Director, Dan DesCombes, 2841 Elm St., Denver, Colo. Courses: Football, Basketball. Staff: Red Sanders, Bucky O'Connor. Tuition: \$10. See adv. on page 61.

COLORADO UNIV.—Boulder, Colo. June 18-23. Director, Harry G. Carlson. Courses: Football, Basketball, Track, Baseball, Training. Staff: Duffy Daugherty, Bebe Lee, Dallas Ward, Frank Potts, Frank Prentup, others. Tuition: \$10.

CONCORDIA COLLEGE—Moorhead, Minn. Aug. 5-8. Director, J. M. Christiansen. Courses: Football, Basketball. Staff: Woody Hayes, Forest Evashevski, Phog Allen, Jim Pollard. Tuition: \$10.

CONNECTICUT UNIV.—Storrs, Conn. Aug. 14-16. Director, J. Orlean Christian. Courses: Football, Basketball. Staff: Ray Eliot, Bob Ingalls, Adolph Rupp, others. Tuition: \$10 plus \$3.50 per day for room (meals a la carte). See adv. on page 61.

EASTERN PENNA. COACHES ASSN.—East Stroudsburg, Pa. June 18-21. Director, Marty Baldwin, Box 205, East Stroudsburg, Pa. Courses: Football, Basketball. Staff: Jim Tatum, Lloyd Jordan, John Stiegman, Frank Reagan, Ducey Moore, Birney Crum. Tuition: \$40 (includes room, board, free golf).

FELLOWSHIP OF CHRISTIAN ATHLETES—Estes Park, Colo. Aug. 19-23. Courses: All Sports. Staff: Otto Graham, Doak Walker, Dean Cromwell, Branch Rickey, Bob Richards, Phog Allen, others. Tuition: \$20 for room and board.

FLORIDA A. & M. UNIV.—Tallahassee, Fla. June 11-16. Director, A. S. Gaither. Courses: Football, Basketball. Staff: Ara Parseghian, Chuck Mather, Paul Dietzel, Bob Woodruff, Tom Nugent, Gomer Jones, Frank Broyles, Ray Graves, others. Tuition: \$12.50 plus \$3.38 for room.

FLORIDA COACHES ASSN.—Gainesville, Fla. Aug. 6-10. Director, Ish Brant, Athletic Dept., U. of Florida, Gainesville, Fla. Courses: Football, Basketball. Staff: Bowden Wyatt, Ray Graves, Bob Woodruff, Charles Pope. Tuition: \$15 for out-of-state coaches.

FLORIDA STATE UNIV.—Tallahassee, Fla. June 7-9. Director, Tom Nugent. Course: Football. Staff: Duffy Daugherty, Bud Wilkinson, Terry Brennan, Tom Nugent. Tuition: \$15 (includes housing). See adv. on page 59.

GEORGIA COACHES ASSN.—Atlanta, Ga. Aug. 6-9. Director, Dwight Keith, 310 Buckhead Ave. N.E., Atlanta, Ga. Courses: Football, Basketball, Training. Staff: Warren Giese, Gomer Jones, Frank McGuire, Moose Dett. Tuition: \$5, members; \$10, others.

IDAHO COACHES ASSN.—Sun Valley, Ida. Aug. 6-10. Director, Jerry Dellinger, Jerome (Ida.) H. S. Courses: Football, Basketball, Baseball, Track. Staff: Bobby Dodd, Ray Graves, Tom Blackburn, Joe Glanders, others. Tuition: \$10, members; \$15, others; plus \$40 for room and board.

INDIANA ATHLETIC ASSN.—Bloomington, Ind. Aug. 6-9. Director, L. B. Phillips, 812 Circle Tower, Indianapolis, Ind. Courses: Football, Basketball. Staff: Duffy Daugherty, Bernie Crimmins, Ed Hickey, Branch McCracken, others. Tuition: \$1, state coaches; \$10, others.

INDIANA BASKETBALL—Kokomo, Ind. Aug. 2-4. Director Cliff Wells, Tulane Univ., New Orleans, La. Staff: Ev Case, Cliff Wells, others. Tuition: \$10.

FIFTH ANNUAL ADELPHI COLLEGE COACHING SCHOOL

*"The East's Outstanding
Basketball School"*

Aug. 6-8, Garden City, N. Y.

PAUL HINKLE—Butler Univ.
Dean of Mid-West Coaches

DANNY LYNCH—St. Francis (N. Y.)
1956 NIT Participants

HOWARD SHARPE—Gerstmeier Tech.
Outstanding Hoosier H. S. Coach

NEENIE CAMPBELL—McK'sport H.S.
1955 Penna. State Champs

BILL SPIEGEL—Franklin H.S.
Perennial N. Y. City Contenders

JOHN SIPOS—Huntington H.S.
1954, 1955 Suffolk Cty. (N. Y.) Champs

Tuition: \$15 (includes semi-private
room and set of notes)

For details, write Co-Directors

JOHN E. SIPOS **GEO. E. FAHERTY**
Huntington H. S. Adelphi College
Huntington, N. Y. Garden City, N. Y.

"Coach of the Year" Football Clinic

at Florida State University
June 7-9 Tallahassee, Fla.

Featuring Three of the Top
Football Coaches in the Land

DUFFY DAUGHERTY, Mich. St.
"1955's Coach of the Year"

BUD WILKINSON, Oklahoma
"1953's Coach of the Year"

TERRY BRENNAN, Notre Dame
"Head Man of Perennial Champs"

Assisted By

BONES TAYLOR, Ex-Redskins
"All-Time Great Pro End"

PAT SUMMERALL, Cardinals
"Kicking Specialist"

Directed by Coach Tom Nugent

REGISTRATION (includes room) \$15

For information write

HOWARD DANFORD, Ath. Director
Florida State U., Tallahassee, Florida

12th ANNUAL
**NEW YORK STATE
Coaching School**

Sponsored by New York State Public
High School Athletic Association

Aug. 20-23 Rochester, N. Y.

FRANK BROYLES
Georgia Tech, "Regular T"

RIP ENGLE
Penn State, "Winged T"

DUDEY MOORE
Duquesne Univ., "Basketball"

HUNTLEY PARKER
Brockport Teachers, National
Soccer Co-Champions

plus Baseball, Wrestling, Train-
ing, and Football Rules Inter-
pretation, Sports Films, and
Round-Table Discussions.

For further information, write

PHILIP J. HAMMES
Proctor High School, Utica, N. Y.

**Maryland Univ.
Coaching Clinic**

June 14-16 College Park, Md.
Only 8 miles from Washington, D. C.

Detailed Courses on Split T
and Drive Series—Maryland's
Theory of Defensive Football

By
TOMMY MONT & STAFF

BOB WARD ED FULLERTON
JOE MOSS JIM PEEBLES
BILL DOVELL JOHN IZICK
ROY LESTER FRED LAYMAN

ENROLLMENT FEE

High School Coaches . . . \$15.00
College Coaches \$25.00

By Request

Room on campus . . \$2 per night
Meals on campus . . \$3 per day

For complete information, write

COACH BILL DOVELL
Box 295 Univ. of Maryland
College Park, Md.

IOWA ATHLETIC ASSN.—Spirit Lake, Ia.
Aug. 19-23. Director, Lyle T. Quinn,
Boone, Ia. Courses: Football, Basketball,
Baseball, Track, Training. Staff: To be an-
nounced. Tuition: Free for state coaches;
\$25, others.

KANSAS COACHING SCHOOL—Wichita,
Kan. Aug. 20-23. Director, E. A. Thomas,
1300 Topeka Blvd., Topeka, Kan. Courses:
Football, Basketball, Training. Staff: To
be announced. Tuition: \$10.

KENTUCKY UNIV.—Lexington, Ky. Aug. 8-
11. Director, Bernie A. Shively. Courses:
Football, Basketball, Baseball, Track. Staff:
Duffy Daugherty, Bobby Dodd & Staff,
Blanton Collier & Staff, Adolph Rupp &
Staff, Harry Combes, others. Tuition: Free.

LOGAN'S TRAINERS CLINIC—Los Angeles,
Cal. Aug. 25. Director, Kickapoo Logan,
4966 Eagle Rock Blvd., Los Angeles 41,
Cal. Staff: Kickapoo Logan, Bill Getzel-
man, others. Tuition: Free.

LOUISIANA COACHES ASSN.—Baton
Rouge, La. July 30-Aug. 3. Director,
Woodrow Turner, Byrd H. S., Shreveport,
La. Courses: Football, Basketball. Staff:
Bud Wilkinson, Ara Parseghian, others.
Tuition: \$5.

MARYLAND UNIV.—College Park, Md.
June 14-16. Director, William Davell, Box
295, College Park, Md. Course: Football.
Staff: Tommy Mont & Varsity Staff.
Tuition: \$15, h. s. coaches; \$25, college
coaches. See adv. on page 60.

MICHIGAN UNIV.—Ann Arbor, Mich. June
25-July 6. Supervisor, Howard C. Leibee.
Courses: Football, Basketball, Track, Train-
ing. Staff: Bennie Oosterbaan, Bill Perigo,
Don Canham, Jim Hunt. Tuition: \$20,
residents; \$30, others.

MICHIGAN ATHLETIC ASSN.—Mt. Pleas-
ant, Mich. Aug. 13-17. Director, Dan Rose.
Courses: Football, Basketball. Staff: For-
est Evashevski, Bucky O'Connor. Tuition:
\$20 (includes room and board).

MISSISSIPPI COACHES ASSN.—Jackson,
Miss. July 31-Aug. 3. Director, Charles A.
Armstrong, Meridian (Miss.) H. S. Courses:
Football, Basketball. Staff: Bud Wilkinson,
Paul Bryant, Frank McGuire. Tuition: \$10,
members; \$15, others. See adv. on page
61.

MISSOURI UNIV.—Columbia, Mo. April 27-
28. Director, Don Faurot. Courses: Foot-
ball, Basketball. Staff: Art Guepe, Don
Faurot, Sparky Stalcup, Branch Mc-
Cracken. Tuition: Free for state coaches;
\$10, others.

NEVADA UNIV.—Reno, Nev. June 18-23.
Director, G. A. Bates. Courses: Football,
Basketball, Training. Staff: Bud Wilkinson,
Adolph Rupp, Kickapoo Logan. Tuition:
\$20, state residents; \$24, others. See
adv. on page 61.

NEW MEXICO COACHES—Albuquerque,
N. M. Aug. 5-11. Director, Willard Bass,
Box 877, Farmington, N. M. Courses:
Football, Basketball, Training. Staff: Jack
Mitchell, Tommy Prothro, Phil Woolpert,
Ben Carnevale, Roy Bickerstaff. Tuition:
\$10, members; \$15, others; \$25, displays.

**OHIO H. S. FOOTBALL
COACHES CLINIC**

August 13-17 Canton 3, Ohio

DUFFY DAUGHERTY

Michigan St., Coach-of-the-Year

WOODY HAYES

Ohio St. Big Ten Champs

JIM TATUM

North Carolina, 1953 Coach-of-Year

TERRY BRENNAN

Notre Dame, Perennial Powerhouse

BLANTON COLLIER

Kentucky, Organizational Genius

AUSPICES OF OHIO HIGH SCHOOL
FOOTBALL COACHES ASSOCIATION

TUITION

\$10, Ohio \$15, out-of-state

For registration or information write

JIM ROBINSON, Director
Lehman High School, Canton 3, Ohio

**COLBY COLLEGE
COACHING SCHOOL**

June 13, 14, 15 Waterville, Maine

FEATURING

DUFFY DAUGHERTY

"1955 Coach of the Year"
Coach of Michigan State
Rose Bowl Champions

BOB COUSY

"World's Greatest Player"

Tuition: \$22.50

Write:

ELLSWORTH W. MILLETT
Colby College, Waterville, Me.

**Upstate New York
Basketball Coaching School**

June 26-28 Delhi, N. Y.

Frank McGuire—North Carolina
Up-and-Coming National Powerhouse

Doggie Julian—Dartmouth
1956 Ivy League Champions

Herm Rearick—Canton McKinley H. S.
1956 Ohio Class A Finalist

TUITION: \$15 for one man
\$25 for two men from same school

EDWARD J. SHALKEY

Delaware Academy, Delhi, N. Y.
(Routed map sent on request)

11th Annual CONNECTICUT COACHES' CLINIC

Aug. 14-16 Storrs, Conn.

Co-sponsored by Univ. of Connecticut and Connecticut Intersch. Ath. Conf.

RAY ELIOT, Illinois (Football)
 BOB INGALLS, Connecticut (Football)
 JOHN TONER, New Britain H. S. (Foot.)
 ADOLPH RUPP, Kentucky (Basketball)
 MORRIS FABRICANT,
 Stonington H. S. (Basketball)

Registration (non CIAC members) \$10
 Meals—a la carte. Rooms—\$3.50 per night

For details or application, write:
 J. ORLEAN CHRISTIAN

U. of Connecticut, Storrs, Conn.

UNIV. OF NEVADA COACHING SCHOOL

June 18-23 Reno, Nev.

BUD WILKINSON, Oklahoma
 "FOOTBALL"

ADOLPH RUPP, Kentucky
 "BASKETBALL"

KICKAPOO LOGAN
 "TRAINING"

\$20, residents \$24, non-residents
 Dormitory rooms available at \$7 for week

G. A. BROTEN, Director
 University of Nevada Reno, Nevada

Mississippi Coaches Assn. COACHING SCHOOL

July 31-Aug. 3 Jackson, Miss.

FEATURING

- BUD WILKINSON, Oklahoma
 "Football"
- PAUL BRYANT, Texas A & M
 "Football"
- FRANK McGUIRE, No. Carolina
 "Basketball"

\$10, members; \$15 others

CHARLES A. ARMSTRONG

Meridian High School, Meridian, Miss.

COLORADO H. S. COACHING SCHOOL

at Denver Univ. Aug. 15-17

featuring

RED SANDERS

U.C.L.A. Rose Bowl Football Team

BUCKY O'CONNOR

U. of Iowa Big Ten Basketball Champs

TUITION: \$10

DON DesCOMBES

2841 Elm St. Denver, Colo.

NEW YORK STATE—Rochester, N. Y. Aug. 20-23. Director, Philip J. Hammes, Proctor H.S., Utica, N.Y. Courses: Football, Basketball, Baseball, Soccer, Wrestling, Training. Staff: Frank Broyles, Rip Engle, Ducey Moore, others. See adv. on page 60.

OHIO FOOTBALL—Canton, O. Aug. 13-17. Director, Jim Robinson, Lehman H. S., Canton 3, O. Staff: Woody Hayes, Duffy Daugherty, Jim Tatum, Blanton Collier, Terry Brennan. Tuition: \$10, members; \$15, others. See adv. on page 60.

OKLAHOMA COACHES ASSN.—Oklahoma City, Okla. Aug. 12-16. Director, Clarence Breithaupt, 2012 N.W. 44 St., Oklahoma City, Okla. Courses: Football, Basketball, Training. Staff: Bud Wilkinson, Wally Butts, Ken Rawlinson, others. Tuition: \$10.

OREGON UNIVERSITY—Eugene, Ore. June 11-16. Director, A. A. Esslinger. Courses: Football, Basketball, Baseball, Track, Wrestling, Training. Staff: Sid Gillman, Bucky O'Connor, Don Kirsch, Bill Hammer, Roland Logan, others. Tuition: \$16.

RIVER FALLS—River Falls, Wis. June 14-16. Director, Phil Belfiori, Wisconsin State College, River Falls, Wis. Courses: Football, Basketball, Training. Staff: Red Sanders, John Wooden. Tuition: \$15 plus \$2 per day for room.

SHERIDAN WRESTLING CLINIC—Bethlehem, Pa. Aug. 5-11, 12-18, 19-25. Director, Gerald Leeman, Lehigh Univ., Bethlehem, Pa. Staff: Billy Sheridan, John Engel, Richard Voliva, Ralph Williams, Jim Harkins, others. Tuition: \$40 (includes room and board).

SOUTH CAROLINA COACHES ASSN.—Columbia, S. C. July 29-Aug. 3. Director, Harry Hedgepath, 1623 Harrington St., Newberry, S. C. Courses: Football (Aug. 1-3), Basketball (July 30-31), Training. Staff: Duffy Daugherty, Woody Hayes, Ev Case, Sam Lankford. Tuition: Members—\$5, one session; \$7.50, both; Non-members—\$10 and \$15. See adv. on page 61.

SOUTH DAKOTA ATHLETIC ASSN.—Huron, S. D. Aug. 20-23. Director, R. M. Walseth, Box 203, Pierre, S. D. Courses: Football (11, 8, 6), Basketball, Track, Training. Staff: Bebe Lee, Don Lennon, Kickapoo Logan, others. Tuition: Free.

SOUTHERN ILLINOIS UNIV.—Carbondale, Ill. Aug. 16-17. Director, Dr. Carl E. Erickson. Courses: Football, Basketball. Staff: Al Kawal, Phog Allen, others. Tuition: \$10 for out-of-state coaches.

SOUTHERN UNIV.—Baton Rouge, La. June 11-16. Director, A. W. Mumford. Courses: Football, Basketball, Baseball, Track. Staff: Gomer Jones, Johnny McLendon, Frank Broyles, Buck O'Neill, others. Tuition: \$10.

TENNESSEE ATHLETIC ASSN.—Cookeville, Tenn. July 25-28. Director, Wilburn Tucker, Tennessee Tech, Cookeville, Tenn. Courses: Football, Basketball, Baseball, Training. Staff: Red Sanders, Bobby Dodd, Bucky O'Connor, others. Tuition: Free.

SOUTH CAROLINA COACHES ASSN. COACHING CLINIC

July 30-Aug. 3 Columbia, S. C.

FOOTBALL (AUG. 1-3)

DUFFY DAUGHERTY
 Michigan St. Coach of Year

WOODY HAYES
 Ohio St. Big Ten Champs

BASKETBALL (JULY 30-31)

EVERETT N. CASE
 Powerhouse North Carolina St.

TRAINING

SAM LANKFORD
 Famous U. of Florida Trainer

TUITION, \$7.50 (members)
 (or \$5 for one course)

\$15 (non-members)
 (or \$10 for one course)

- Undergraduate credit offered
- All-Star football, basketball games
- Sessions in air-conditioned hotel
- Rooms free in university dorms
- Meals about \$2 per day

HARRY H. HEDGEPATH
 1623 Harrington St. Newberry, S. C.

Washington St. High School Coaches Clinic

Spokane, Wash. Aug. 20-24

DALLAS WARD

U. of Colorado, "Football"

BUCKY O'CONNOR

U. of Iowa, "Basketball"

STAN HISERMAN

U. of Washington, "Track"

BOB MATTICK

Cincinnati, Ohio, "Baseball"

KICKAPOO LOGAN

Los Angeles, Calif., "Training"

plus Outstanding H. S. Coaches

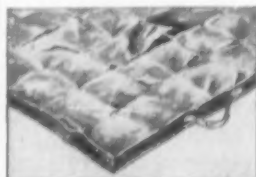
Non-Members \$10; Members, Free
 Room \$1.50 per day; Meals \$3 per day

A. J. LINDQUIST
 3215 EAST MERCER
 SEATTLE 2, WASH.

DON'T THROW THAT OLD GYM MAT AWAY!

Let AALCO Rebuild It for You by Renovating the Filler, then Encasing It in a Brand New Cover with Extra Heavy "Rooted" Handles—and SAVE YOU 1/3 or More of the Cost of New Equipment!

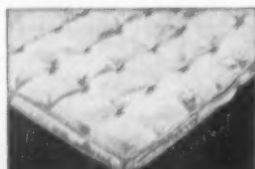
A TYPICAL WORN-OUT GYM MAT



Cover is worn to shreds, padding is ripped off. The filler, however, can be re-used if it is free of holes and not too thin.

AFTER REBUILDING BY AALCO

Job is closely tufted with wax impregnated long strand coir twine. Square corners and side walls, inverted seams, give full protection to edges of mat.



Spring and Summer Months—when Students Play Outdoors—are Best Times to Have Mats Rebuilt. Consult Your Sporting Goods Dealer, or Write for Complete Details Today!

Ask for New AALCO Catalog!

AALCO MANUFACTURING CO.

2729-X Wyandotte St. St. Louis 11, Mo.

New! FREE BOOK



Helps you TEACH TENNIS

Vinnie Richards' new book, "How to Play Winning Tennis" will help you turn out top tennis players. Based on Richards' own tournament experience in winning 30 championships, it's illustrated with 36 fast-action shots and photos of every grip. An invaluable help to tennis coaches, it's FREE. Send for as many copies as you need. DUNLOP TIRE & RUBBER CORP.

Dept. 62, Buffalo 5, New York.

CLIP COUPON - MAIL TODAY

Dunlop Tire & Rubber Corp., Dept. 62
Buffalo 5, New York

Rush me FREE copies of Vinnie Richards' new book "How to Play Winning Tennis."

Name

Address

City Zone State

PLAY DEEP NAP Dunlop
CHAMPIONSHIP TENNIS BALLS
WITH DACRON FELT COVER

TEXAS COACHES ASSN.—Lubbock, Tex. Aug. 5-10. Director, L. W. McConachie, Box 626, Edna, Tex. Courses: Football, Basketball, Track, Training. Staff: Paul Bryant, Jesse Hill, Abe Martin, others.

UPSTATE NEW YORK BASKETBALL—Delhi, N. Y. June 26-28. Director, Edward J. Shalkey, Delaware Academy, Delhi, N. Y. Staff: Frank McGuire, Daggie Julian, Herman Rearick. Tuition: \$15 for one man, \$25 for two from same school. See adv. on page 60.

UTAH STATE COLLEGE—Logan, Utah. June 4-9. Director, H. B. Hunsaker, 180 E. 4th North, Logan, Utah. Courses: Football, Basketball, Baseball, Training. Staff: Paul Bryant, Adolph Rupp, Branch Rickey Jr., Kickapoo Logan, others. Tuition: \$10.

VIRGINIA H. S. LEAGUE—Williamsburg, Va. Aug. 6-8. Director, John Freeman, College of William and Mary, Williamsburg, Va. Courses: Football, Basketball, Track, Baseball, Training. Staff: Rip Engle, Hal Lahar, Bill Rhinehart, Tommy Thompson, others. Tuition: \$5, state coaches; \$10, others.

VIRGINIA STATE COLLEGE—Petersburg, Va. June 18-22. Director, W. W. Lawson. Courses: Football, Basketball. Staff: Ara Parseghian, Gomer Jones, Branch McCracken. Tuition: \$15.

WASHINGTON COACHES ASSN.—Spokane, Wash. Aug. 20-24. Director, A. J. Lindquist, 3215 E. Mercer, Seattle 2, Wash. Courses: Football, Basketball, Track, Baseball, Training. Staff: Dallas Ward, Bucky O'Connor, Stan Hiserman, Bob Mattick, Kickapoo Logan. Tuition: Free to members; \$10, others. See adv. on page 61.

WESTCHESTER COUNTY COACHES ASSN.—White Plains, N. Y. May 25-26. Director, Dave Millman, Sleepy Hollow H. S., Tarrytown, N. Y. Courses: Football, Basketball. Staff: Buff Donelli, Matt Zunic. Tuition: \$2 members, \$3 non-members (plus \$4 for room and meals).

WESTERN ILLINOIS ST. COLL.—ILLINOIS ST. NORMAL UNIV.—Macomb, Ill. June 12-13. Director, Ray Hanson, Macomb, Ill. Courses: Football, Basketball, Baseball, Golf. Staff: Ara Parseghian, Peck Hickman, Otto Vogel, others. Tuition: Free.

WEST VIRGINIA UNIV.—Morgantown, W. Va. July 22-Aug. 17. Director, Ray Duncan. Courses: Football (July 23-27), Basketball (July 30-Aug. 3), Training (Aug. 6-10), Wrestling (Aug. 13-17). Staff: Bernie Crimmins, Art Lewis, Fred Schaus, others.

WILLIAMSPORT AREA WRESTLING CLINIC—Williamsport, Pa. Aug. 13-17. Director, Stan Skuta, Williamsport (Pa.) H. S. Staff: Jim Miller, Glenn Smith, others. Tuition: \$5.

WISCONSIN COACHES ASSN.—Madison Wis. Aug. 6-10. Director, Harold A. Metzen, 1623 Jefferson, Madison, Wis. Courses: Football, Basketball, Baseball, Track, Wrestling, Tennis. Staff: Terry Brennan, Milt Bruhn & Wisconsin Staff, Bud Foster, others. Tuition: \$10.



NEW MAT-HIDE SMOOTH, COATED DUCK

- WASHABLE
- SANITARY

WEARS LIKE IRON!

Now available in Ivory, Royal Blue, Kelly Green, Scarlet, Gold and White. Gym mats and covers in your own vibrant school colors!

In addition to MAT-HIDE, you may choose tan JIM-HIDE covering—a tough impregnated duck—or triple-duty white roll ducks.

Before you buy floor mats and covers, wall mats and Baseball Bases, see the National line!

Write for a new price circular.

NATIONAL
Sports Company
364-374 N. MARQUETTE STREET
FOND DU LAC, WISCONSIN

COMPLETE NOTES

1955 Ohio High School Football Coaches Clinic

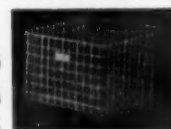
- BLANTON COLLIER
- EDDIE ERDELATZ
- PAUL DIETZEL
- TREVOR REES
- LOU SABAN
- ARA PARSEGHIAN
- PAUL HORNEMAN

Order From: Athletic Director
Box 17, Mansfield, Ohio
Price \$4.00

LOCKER BASKETS

AND

SPACE SAVING UNIFORM HANGERS



All steel wire welded construction. Clean, bright, corrosion resistant finish. Available in sizes to meet your locker room needs. Write for descriptive literature.

AMERICAN WIRE FORM CORP.

267-273 Grant Ave.
Jersey City, New Jersey

New Books

(Continued from page 55)

- **THE OFFICIAL ENCYCLOPEDIA OF BASEBALL** (Revised). By Hy Turkin and S. C. Thompson. Pp. 583. New York: A. S. Barnes & Co. \$5.95.

BIGGER and better than ever, this fantastic collection of baseball facts and figures is a must for everyone connected with the game. It offers the basic statistics on every player who ever broke into a major league lineup, the evolution of baseball, baseball administration, story of the minor leagues, best lifetime records, world series, playing hints by famous stars, the official rules, and dozens of other fascinating features.

In short, the book offers absolutely everything you want to know about every phase of the game. It's a "must" for players, coaches, fans, statisticians, umpires—everybody!

- **FITNESS FOR SECONDARY SCHOOL YOUTH.** Edited by Karl W. Bookwalter and Carolyn W. Bookwalter. Pp. 150. Illustrated. Washington 6, D. C.: The American Assn. for Health, Physical Education and Recreation. \$2.50.

A JOINT effort of the AAHPER and the National Assn. of Secondary School Principals, this excellently prepared, highly professional text contains the most up-to-date information and program outlines for total fitness of teen-age youth.

Physical, mental, emotional, and social fitness are considered in relation to health, physical education, recreation, and outdoor education.

Chapter 1, "Total Fitness Needs for Secondary School Youth," surveys the problem.

Chapter 2 presents the latest information about physical, emotional, mental, and social fitness.

Chapter 3 outlines the desirable kinds of programs.

Chapter 4 discusses the contributions of recreation and outdoor recreation to fitness.

Chapter 5 deals with the school health program, with a section on recommended criteria.



**For
Gym
Floors**

RICE INSTITUTE
Houston, Texas
picks J. W. Wells



NORTHERN MAPLE

Wise Owl! . . . If you want to build extra "spring" into your floor and add inches to your players too—Write—

J. W. WELLS LUMBER CO.
Manominee, Michigan

MASTER COUPON

To obtain free literature and sample goods, carefully check items desired and mail coupon directly to Scholastic Coach Advertising Dept., 33 W. 42 St., New York 36, N. Y. Numbers in parentheses denote pages on which the advertisement may be found.

AALCO MFG. (62)

- ☐ Catalogue of complete Sports Line

ALL-AMERICAN SPORTING GOODS (29)

- ☐ Information on Fibre-Glass Bat Kits

AMERICAN PLAYGROUND DEVICE (44)

- ☐ Catalog of Dressing Room Equipment
- ☐ Catalog of Playground Equipment
- ☐ Catalog of Pool Equipment

AMERICAN WIRE (62)

- ☐ Folder on Locker Baskets and Uniform Hanger

ATLAS ATH. EQUIP. (55)

- ☐ Catalog on Gym Mats and Football Dummies

AUDIO EQUIPMENT (57)

- ☐ Brochure on Power Megaphone

BEHRENS MFG. (54)

- ☐ Information on Portable Water Carrier

BENSON OPTICAL (36)

- ☐ Information on Safety Athletic Glasses

BIKE WEB (25)

- ☐ Coaches and Trainers Handbook

BRADLEY WASHFTN. (41)

- ☐ Catalog on Multi-Stall Showers

BROOKS SHOE (14)

- ☐ Catalog on Athletic Footwear

BROWN, M. D. (43)

- ☐ Catalog of Scoremaster Electric Scoreboards

COACHING SCHOOLS

Further Information on

- ☐ Adelphi Coll. (59)
- ☐ Colby Coll. (60)
- ☐ Colorado H. S. (60)
- ☐ Connecticut U. (61)
- ☐ Florida St. U. (59)
- ☐ Maryland U. (60)
- ☐ Mississippi (61)
- ☐ Nevada U. (61)
- ☐ New York St. (60)
- ☐ Ohio Football (60)
- ☐ South Carolina (61)
- ☐ Upstate N. Y. (60)
- ☐ Washington St. (61)

DAYTON RACQUET (56)

- ☐ Tennis or Badminton Rules, Court Layouts

DUCOMMUN, M. (56)

- ☐ Catalog of Complete Line of Stop Watches

DUNLOP RUBBER (62)

- ☐ Book, "How to Play Tennis" by Vinnie Richards
- How many _____

FAIR PLAY (20)

- ☐ Information on Electric Scoreboards

FENNER-HAMILTON (46)

- ☐ Literature on Gym-Master Line of Trampolines

GENERAL SPORTCRAFT (2)

- ☐ Official Game Rules Booklet

GRISWOLD, LARRY (54)

- ☐ Information on Trampoline Bed and Manual

HILLERICH & BRADSBY (36)

- ☐ Catalog of Louisville Sluggers
- ☐ Catalog of Grand Slam Golf Clubs
- ☐ Famous Slugger Yearbook

- ☐ Official Softball Rules
- How many _____

HILLYARD CHEMICAL (4)

- ☐ Complete Details on Treatment of Asphalt Tile Gym Floors

HUSSEY (49)

- ☐ Illustrated Seating Catalog

IVORY SYSTEM

(Back Cover)

- ☐ Monthly Bulletin, "The Observer"

JAYFRO ATH. SUPPLY (64)

- Catalog on
- ☐ Steel Chain Nets
- ☐ Tetherball Sets
- ☐ Aluminum Standards

JENNISON-WRIGHT (21)

- ☐ Sample and Specifications of Kreolite Flexible End Grain Wood Block Flooring

McARTHUR & SONS (55)

- ☐ Information on Towel Service Plan

MAPLE FLOORING (6)

- ☐ 1956 Official MFMA Listing of Approved Floor Finishing Products

MARBA (53)

- ☐ Information on Reconditioning Service

MASTER LOCK (38)

- ☐ Information on Combination Padlocks

MEDART PRODUCTS (15)

- Catalogs on
- ☐ Basketball Backstops and Scoreboards
- ☐ Telescopic Gym Seats
- ☐ Locker Room Equipment
- ☐ Gymnasium Apparatus

MINERALS & CHEM. (31)

- (See adv. for free offer of 50-lb. bag of ASP Line Marker)

MOSBY (19)

- ☐ List of Physical Ed. and Sports Texts

NATIONAL SPORTS (62)

- ☐ Price Circular on Jim-Flex Gym Mats

SEE PAGE 64 FOR OTHER LISTINGS AND FORM FOR SIGNATURE



jayfro

BASKETBALL STEEL CHAIN NETS

3 Years Guarantee!
outdoors or indoors

jayfro

New and Improved TETHERBALL SETS

Send for Free Catalog

JAYFRO ATHLETIC SUPPLY CO.
Dept. S, Box 1065, NEW LONDON, CONN.



Football Necessities

Save money on your permanent football field equipment . . . we manufacture charging sleds of every type.

- 7-man conventional sled
- 7-man hit-and-go sled
- "Simple-Susan" 2-man sled
- "Carom" 2-man rebound sled
- Sponge rubber yard line markers
- Goal posts, canvas dugouts, corner flags, head linesman's sets, field liners, etc.

Write for free catalog

Track and Field Equipment Supply

Salem, Ore.

Slippery Rock, Pa.

Palo Alto, Calif.

ADVERTISERS INDEX

AALCO MANUFACTURING COMPANY	62
ADELPHI COLLEGE COACHING SCHOOL	39
ALL-AMERICAN SPORTING GOODS CO.	29
AMERICAN PLAYGROUND DEVICE COMPANY	44
AMERICAN WIRE FORM CORPORATION	62
ATLAS ATHLETIC EQUIPMENT COMPANY	55
AUDIO EQUIPMENT COMPANY, INC.	57
BEHRENS MANUFACTURING CO., INC.	54
BENSON OPTICAL COMPANY	36
BIKE WEB COMPANY, THE	25
BRADLEY WASHFOUNTAIN COMPANY	41
BRISTOL-MYERS COMPANY	45, 53
BROOKS SHOE MANUFACTURING COMPANY	14
BROWN, M. D., COMPANY	43
COLBY COLLEGE COACHING SCHOOL	60
COLGATE-PALMOLIVE COMPANY	32, 33
COLORADO H. S. COACHING SCHOOL	60
CONNECTICUT COACHES' CLINIC	61
DAYTON RACQUET COMPANY	56
DUCCOMUN, M., COMPANY	56
DUNLOP TIRE & RUBBER CORPORATION	62
FAIR PLAY MANUFACTURING COMPANY	20
FENNER-HAMILTON COMPANY	46
FLORIDA STATE UNIV. FOOTBALL CLINIC	59
GENERAL SPORTCRAFT COMPANY	3
GRISWOLD, LARRY	54
HILLERICH & BRADSBY COMPANY	36
HILLYARD CHEMICAL COMPANY	4
HUSSEY MANUFACTURING COMPANY	49
IVORY SYSTEM	4th Cover
JAYFRO ATHLETIC SUPPLY COMPANY	64
JENNISON-WRIGHT CORPORATION, THE	21
MacGREGOR COMPANY, THE	17
McARTHUR, GEORGE, & SONS	55
MAPLE FLOORING MANUFACTURING ASSN.	6
MARBA, INC.	53
MARYLAND UNIV. COACHING CLINIC	60
MASTER LOCK COMPANY	38
MEDART, FRED, PRODUCTS, INC.	15
MINERALS & CHEMICALS CORP. OF AMERICA	31
MISSISSIPPI COACHES ASSN. COACHING SCHOOL	61
MOSBY, C. V., COMPANY, THE	19
NATIONAL SPORTS COMPANY	62
NEVADA, UNIVERSITY OF	61
NEW YORK STATE COACHING SCHOOL	60
NISSEN TRAMPOLINE COMPANY	37
OCEAN POOL SUPPLY COMPANY	28
OHIO FOOTBALL NOTES	62
ORTHOPEDIC FRAME COMPANY	39
PLAYTIME EQUIPMENT CORPORATION	45
POWERS REGULATOR COMPANY, THE	1
PRENTICE-HALL, INC.	54
PROGRAM AIDS COMPANY, INC.	57
QUAKER OATS COMPANY	22-23
RAWLINGS SPORTING GOODS COMPANY	3
REEVES STEEL, INC.	52
RIDDELL, JOHN T., INC.	2nd Cover
ROBBINS FLOORING COMPANY	30
RONALD PRESS COMPANY, THE	48
SAND KNITTING MILLS CORPORATION	43
SANI-MIST, INC.	42
SEAMLESS RUBBER COMPANY	35
SICO MANUFACTURING COMPANY, INC.	52
SNYDER TANK CORPORATION	57
SOUTH CAROLINA COACHES ASSN. COACHING CLINIC	61
SPANJIAN PASADENA	47
STERLING INSURANCE COMPANY	37
TRACK & FIELD EQUIPMENT SUPPLY	64
TRAVELRAIN POWER SPRINKLER COMPANY	55
UNITED STATES RUBBER COMPANY	3rd Cover
UNIVERSAL BLEACHER COMPANY	47
UP-RIGHT, INC.	27
UPSTATE NEW YORK BASKETBALL COACHING SCHOOL	60
VIBRA-WHIRL & COMPANY	46
WASHINGTON ST. HIGH SCHOOL COACHES CLINIC	61
WELLS, J. W., LUMBER COMPANY	63
WRIGHT PRODUCTS COMPANY	41

MASTER COUPON

(See page 63 for other listings)
(Numbers in parentheses denote page on which advertisement may be found)

NEW EQUIPMENT (34)

Further information on

- ☐ Megaphone
- ☐ Football
- ☐ Steel Bleachers
- ☐ Tennis Racket
- ☐ Scientific Bat
- ☐ Floor Polish
- ☐ Emergency Splint

NISSEN TRAMPOLINE (37)

- ☐ New Catalog on Complete Line of Trampolines

OCEAN POOL (28)

- ☐ Catalog of Swim and Pool Equipment

ORTHOPEDIC FRAME (39)

- ☐ Information on Emergency Splints

PLAYTIME EQUIPMENT (45)

- ☐ Information on Galvanized AF Bleachers

POWERS REGULATOR (1)

- ☐ Information on Thermostatic Control for Pools, Locker Rooms, Showers

PROGRAM AIDS (57)

- ☐ Catalog on Magnetic Playmaster Coaching Kits

QUAKER OATS (22-23)

- ☐ Book, "How to Play Football" by Bud Wilkinson
- How many _____

RAWLINGS (3)

- ☐ Advance Football Catalog
- ☐ Spring and Summer Catalog

REEVES STEEL (52)

- ☐ Information on Steel Bleachers and Grandstands

RIDDELL, JOHN T.

(Inside Front Cover)

- ☐ Information on Quality Line of Football Equipment and Track Shoes

ROBBINS FLOORING (30)

- ☐ Information on Iron-bound Continuous Strip Maple Gym Floors

RONALD PRESS (48)

- ☐ List of Sport Books

SAND KNITTING (43)

- ☐ 1956 Football Clothing Catalog

SANI-MIST (42)

- ☐ Details of Sani-Mist Method of Preventing Athlete's Foot

SICO MFG. (52)

- ☐ Catalog on Tuck-A-Way Table Tennis Table

SNYDER TANK (57)

- ☐ Information on All Steel Grandstands

SPANJIAN (47)

- ☐ Catalog of Knit Football Clothing

STERLING INSURANCE (37)

- ☐ Information on H. S. Football Insurance

TRACK & FIELD EQUIP. (64)

- ☐ Catalog of Complete Line
- ☐ Catalog of Football Field Necessities

TRAVELRAIN (55)

- ☐ Literature on Automatic Irrigation Device

UNIVERSAL BLEACHER (47)

- ☐ Catalog of Roll-A-Way Bleachers and Portable Steel Grandstand and Wood Bleachers

UP-RIGHT (27)

- ☐ Circular on Automatic Pitching Machine

VIBRA-WHIRL (46)

- ☐ Information on 7, 3, and 2-Man Football Sleds

WELLS LUMBER (63)

- ☐ Information on Northern Maple for Gym Floors

WRIGHT PRODUCTS (41)

- ☐ Sample of Nylon Football Cleats

NAME _____ POSITION _____
(Principal, coach, athletic director, physical director)

SCHOOL _____ ENROLLMENT _____

ADDRESS _____

CITY _____ ZONE _____ STATE _____

No coupon honored unless position is stated

May 1956

THIS NEW SHOE SWEEP THE COURTS ACROSS AMERICA LAST YEAR!



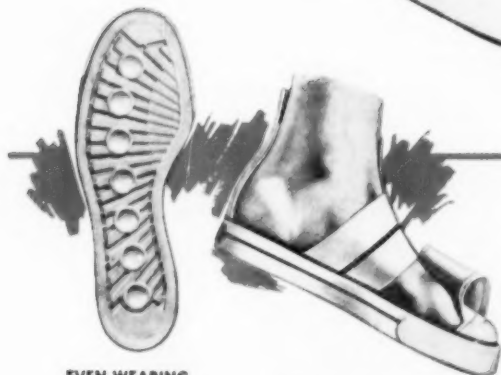
U.S. ROYAL

WITH PATENTED

"POWERLIFT"

Built-in "PowerLift" keeps foot and shoe together, stops slipping, speeds action.

What a year for new U. S. Royal PowerLifts! What acceptance! When we first introduced this new basketball shoe last year, we knew it was the most revolutionary yet made. We thought it would be popular. But—*it caught on like wildfire!* More than 1100 colleges and high schools took one look at all the new features—and placed their orders! Better look into this great new basketball shoe. You'll see what everyone is raving about!



EVEN-WEARING
MOLDED CONCAVE
SUCTION SOLE

PREVENTS FOOT FROM SLIDING
FORWARD WHICH CAUSES
TOE AND SOLE BLISTERS.

U.S. "PRO" KEDS®

The Shoes of Champions

Look for the blue
"Pro" Keds label on the shoe



United States Rubber

Rockefeller Center, New York 20, N. Y.

LET **IVORY SYSTEM** **STRETCH**

Your Sports Equipment Budget

Look how Ivory System experts rebuild this apparently worn-out catcher's mitt. Skilled personnel, using materials and techniques equivalent to those of the original manufacturer, will make this mitt as good as new — for far less than the cost of replacing it.



REBUILT LIKE NEW!

Here's the same mitt, completely reconditioned and ready for shipment. Just another example of how Ivory System can eliminate expensive replacement costs!



AMERICA'S OLDEST and LARGEST
RECONDITIONERS of ATHLETIC EQUIPMENT

The **IVORY**  **SYSTEM** *inc.*

PEABODY

MASSACHUSETTS